



# K. S. INSTITUTE OF TECHNOLOGY BANGALORE-109

## ANNUAL REPORT 2022-23

### COLLEGE LEVEL EVENTS:

1. Department of Computer Science and Engineering hosted an event 24 hours State level Hackathon with the moto “**FuturForge**” under the CSE Firefox student club from 3rd May 2023 to 4th May 2023.



Students working on their Innovative ideas

It is an event to provide a forum for the students to exhibit their coding abilities in different domains like Agriculture, Education, Cyber Security, Fintech, Healthcare & Open Innovation category to come up with their innovative ideas to solve real-world problems in the respective domains. 65 Teams with over 230 participants all around karnataka has taken part in event enthusiastically to build the solutions.

2. Four FDPs were conducted during the academic year 2022-23
  - i. Three days FDP on "**C Programming Laboratory**" was conducted from 27th to 29th Oct 2022

- ii. Five days Faculty Development Program on “**Simulation of Electronics Circuits using Multisim & LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” in association with IETE, ISTE, and IE(I) from 26th Sep 2022 to 30th Sep 2022.
  - iii. Three days FDP on "**C Programming Laboratory**" was conducted from 27th to 29th Oct 2022
  - iv. Six days Faculty development program on "R Programming and its applications" was conducted from 27th March to 1st April 2023
3. KSIT conducted an event “Student Enablement Program for Women students” which was initiated by PayPal and implemented by ICT Academy. It is a comprehensive program specifically designed for women students in final year of engineering, focusing on cloud computing. 105 girls of Final semester of various departments participated. The program included 140 hours of training divided into 100 hours of technical skills and 40 hours of professional skills development. Technical Training of 15 days (20th March 2023 – 05th April 2023) and technical skills for 6 days (10th April 2023 – 15th April 2023) was conducted.



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## EVENTS CONDUCTED

1. **Awareness about Overseas Opportunities** by Mr. Arya Gaurav- Strategic Alliance Manager, Mr. Arshad Ahmed - Australia Destination Manager, Mr. Lokesh Narang - Canada Destination Manager and Mr. Mahesh - UK Counselor on 08<sup>th</sup> May 2023.



Mr. Arya Gaurav presenting

4. **Project Exhibition and Paper Presentation Contest** by Dr. Shyam Vasudeva Rao, Founder and Director Forus Health, Renalyx Health System Pvt.Ltd was conducted on 28<sup>th</sup> April 2023 and 29<sup>th</sup> April 2023.



Project Exhibition Inauguration

5. Workshop on “**How to Manage Stress?**” was conducted by Dr. hallegere Murthy Scope Foundation Founder on 10<sup>th</sup> April 2023.



Felicitation for Dr. Hallegere Murthy

6. The Department of Computer Science and Engineering organized Faculty Development program on **“R Programming and its applications”** was conducted by Dr. C P Ravi Kumar; Resource Persons are Dr. Rekha Padke, Associate Professor, NMIT, Dr. Gourish Goudar, Asst. Professor, NMIT, Dr. Vijayakrishan Mr. Dheeraj D, Asst. Prof, GAT, Mr. Datta Ram B A, Director – Data Science, Noodles, AI during 27<sup>th</sup> March 2023 to 01<sup>st</sup> April 2023.



Faculty Development Program on R Programming and its applications

7. Awareness Programme on **“Outcome Based Education - Awareness Program”** by Mr. Krishna Gudi, Asst. Professor, Dept. Of CSE, KSIT was conducted on 07<sup>th</sup> March, 2023.



Awareness Program for III Sem Students

8. Industrial Visit for III Semester Students was organized by the Department of Computer Science and Engineering in the event **“Open Day IISc Open Day”** on 4<sup>th</sup> March 2023.



Industrial Visit

9. Heritage walk was organized during the event “Janapada Loka” on 27<sup>th</sup> February 2023 at Ramanagara District.



Heritage Gallery and activity

10. Technical Quiz for College level **14th Edition of Engineering It Quiz –“TCS TechBytes 2023”** was conducted in association with BITES on 20<sup>th</sup> February 2023.



Technical Quiz for College level

11. Guest Lecture on “**Entrepreneurship Awareness Programme**” was conducted by Mr. Anath Mallya, Founder and CEO Quantech OriginSacumen on 15<sup>th</sup> February 2023.



Guest Lecture for 3rd semester students

12. Workshop on **“Building Computer Vision AI Model”** was conducted by Mr. Varun Poladiya, Head of Marketing at NAVAN AIn association with AICTE SPICES on 08th February 2023.



Workshop on Building Computer Vision AI Model

13. Awareness Programme **“Guidance & Counseling on Higher studies in USA”** was conducted by Mr. Shashwat Bhaskar, The Product Manager Intel USA & Alumni of KSIT on 4<sup>th</sup> February 2023.



Awareness Program to pursue higher studies

14. Workshop for III Semester Students on **“CYBER SAFETY”** was conducted in association with CSI, SPICES, by Mr. Nitesh Sinha, Founder & CEO, Sacumen and Mr. Jeevesha, director of HR & Operations, Sacumen on 17<sup>th</sup> January 2023.



Workshop on CYBER SAFETY

15. The Department of Computer Science and Engineering in association with KSIT-CSE-Firefox Club organized Non-Technical Event “**SYNERGY**” on 16<sup>th</sup> December 2022.



16. The Department of Computer Science and Engineering in association with AICTE SPICES and IEI organized a technical Talk “**UI UX Design**” on 25<sup>th</sup> November 2022.



17. The Department of Computer Science and Engineering organized an industrial visit “**Bangalore Tech Summit**” for 3<sup>rd</sup> semester students on 17<sup>th</sup> November 2022.

18. The Department of Computer Science and Engineering organized the seminar “**UX Design and UI Web Development**” on 7<sup>th</sup> November 2022.



19. The Department of Computer Science and Engineering in association with AICTE SPICES organized the Innovation talk “**How to Innovate**” on 3<sup>rd</sup> and 4<sup>th</sup> November 2022.



20. The Department of Computer Science and Engineering in association with IEI organized Three Days Faculty Development Program “**C Programming Laboratory**” on 27<sup>th</sup> to 29<sup>th</sup> October 2022.



21. The Department of Computer Science and Engineering in association with KSIT-NSS organized Yoga Event “**Science of Meditation**” for 3<sup>rd</sup> semester Students on 19<sup>th</sup> October 2022.



22. The Department of Computer Science and Engineering organized Internship “**Internal Internship on Object Oriented Programming with Java**” for 3<sup>rd</sup> semester students on 17<sup>th</sup> to 21<sup>st</sup> October 2022.





23. The Department of Computer Science and Engineering in association with AICTE SPICES and CSI organized workshop “**Application of IoT using Blynk and Google fire Cloud**” for 5<sup>th</sup> semester students on 15<sup>th</sup> and 16<sup>th</sup> October 2022.



24. The Department of Computer Science and Engineering in association with KSCST, SPICES and CSI organized an Awareness program on IPR “**IPR Tools for Engineering Students**” on 30<sup>th</sup> September 2022.



25. The Department of Computer Science and Engineering in association with KSIT ED Cell organized Technical Talk “**Engineering Career and Industry Outlook**” for 3<sup>rd</sup> semester students on 13<sup>th</sup> August 2022.



## **EVENTS ATTENDED BY FACULTY**

- Mr. Sanjoy Das attended Five Days Faculty Development Programme on “**Recent Advancements in Data Intelligence and its Applications**” jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24<sup>th</sup> April – 28<sup>th</sup> April 2023.
- Mrs. Swapna Subhash Banasode attended Five Days Faculty Development Programme on

“**Recent Advancements in Data Intelligence and its Applications**” jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24<sup>th</sup> April – 28<sup>th</sup> April 2023.

- Mr. Abhilash L Bhat attended Five Days Faculty Development Programme on “**Recent Advancements in Data Intelligence and its Applications**” jointly organized by Jyothy Institute of Technology and Visvesvaraya Technological University from 24<sup>th</sup> April – 28<sup>th</sup> April 2023.
- Mr. Kumar K attended Five Days Workshop on “**National Education Policy for Skill India and Data Analytics and Cloud Computing**” organized by City Engineering College in Collaboration with Institution of Engineers (India) & Edunet Foundation & EYGDS(London) from 10<sup>th</sup> April – 15<sup>th</sup> April 2023.
- Dr. Vijayalaxmi Mekali attended Six Days Faculty Development Programme on “**R Programming and its Applications**” organized by Department of Computer Science and Engineering, K S Institute of Technology from 27<sup>th</sup> March - 1<sup>st</sup> April 2023.
- Mrs. Rashmi H attended Six Days Faculty Development Programme on “**R Programming and its Applications**” organized by Department of Computer Science and Engineering, K S Institute of Technology from 27<sup>th</sup> March - 1<sup>st</sup> April 2023.
- Mrs. Namyapriya Dayananda attended Six Days Faculty Development Programme on “**R Programming and its Applications**” organized by Department of Computer Science and Engineering, K S Institute of Technology from 27<sup>th</sup> March - 1<sup>st</sup> April 2023.
- Mrs. Ramanjinamma attended Six Days Faculty Development Programme on “**R Programming and its Applications**” organized by Department of Computer Science and Engineering, K S Institute of Technology from 27<sup>th</sup> March - 1<sup>st</sup> April 2023.
- Mr. Kushal Kumar B N attended Five Days Faculty Development Programme on “**Intellectual Property Rights, Patents and Trademarks**” organized by Department of Computer Science and Engineering, DSATM from 13<sup>th</sup> February – 17<sup>th</sup> February 2023.
- Mrs. Pallavi R attended Five Days Faculty Development Programme on “**Artificial Intelligence and Data Science in Image Analysis**” organized by Department of Electronics and Communication Engineering, CMR Institute of Technology from 13<sup>th</sup> February – 17<sup>th</sup> February 2023.
- Dr. Rekha B Venkatapur attended Five Days Faculty Development Programme on “**Importance of Data Science in Machine Learning and its Applications**” organized by Department of Computer Science and Engineering and Information Science and Engineering, R

V Institute of Technology and Management from 6<sup>th</sup> February - 10<sup>th</sup> February 2023.

- Mrs. Beena K attended Five Days Faculty Development Programme on “**Importance of Data Science in Machine Learning and its Applications**” organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6<sup>th</sup> February - 10<sup>th</sup> February 2023.
- Mrs. Pallavi K N attended Five Days Faculty Development Programme on “**Importance of Data Science in Machine Learning and its Applications**” organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6<sup>th</sup> February - 10<sup>th</sup> February 2023.
- Mrs. Supreetha Ganesh attended Five Days Faculty Development Programme on “**Importance of Data Science in Machine Learning and its Applications**” organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6<sup>th</sup> February - 10<sup>th</sup> February 2023.
- Mrs. Kavya M S attended Five Days Faculty Development Programme on “**Importance of Data Science in Machine Learning and its Applications**” organized by Department of Computer Science and Engineering and Information Science and Engineering, R V Institute of Technology and Management from 6<sup>th</sup> February - 10<sup>th</sup> February 2023.
- Mrs. Pallavi K N completed 12 weeks Faculty Development Programme on “**The Joy of Computing using Python**” organized by NPTEL-AICTE from Jan – April 2023.
- Mr. Krishna Gudi attended Five Days Faculty Development Programme on “**Entrepreneurship Development**” at KSSEM, Bengaluru on 12<sup>th</sup> to 16<sup>th</sup> December 2022.
- Dr. Rekha B Venkatapur attended a Five Days Faculty Development Programme on “**Advanced Tools and Techniques for Best Research**” at RVITM, Bengaluru on 26<sup>th</sup> to 29<sup>th</sup> September 2022.
- Mr. Somasekhar T attended a Five Days Faculty Development Programme on “**Advanced Tools and Techniques for Best Research**” at RVITM, Bengaluru on 26<sup>th</sup> to 29<sup>th</sup> September 2022.
- Dr. Rekha B Venkatapur attended a Five Days Faculty Development Programme on “**Intellectual Property Rights**” at JSSATE, Bengaluru on 12<sup>th</sup> to 16<sup>th</sup> September 2022.
- Dr. Rekha B Venkatapur attended a webinar on “**Innovation and Entrepreneurship**” at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 20<sup>th</sup> August 2022.
- Dr. Deepa S R attended Five Days Faculty Development Programme on “**Developing and**

**Deploying spring boot Microservices”** at Ramaiah Institute of Technology on 22<sup>nd</sup> to 26<sup>th</sup> August 2022.

- Dr. Vaneeta M attended Five Days Faculty Development Programme on **“Developing and Deploying spring boot Microservices”** at Ramaiah Institute of Technology on 22<sup>nd</sup> to 26<sup>th</sup> August 2022.
- Mrs. Geetha R attended Six Days Faculty Development Programme on **“Amazon Webb Services”** atRVITM, Bangalore on 22<sup>nd</sup> to 27<sup>th</sup> August 2022.

## **PUBLICATIONS BY FACULTIES**

- Dr. Rekha B Venkatapur**“A comparative study on different Video Compression Standards: characteristics, working mechanism, performance analysis and applications”**,High Technology Letters, ISSN NO : 1006-6748, Volume 29, Issue 7, 2023, May 2023.
- Dr. Prasantha H S, **“Blockchain Technology Application for Effective Organ Donation”**, High Technology Letters (HTL) International journal, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review ,Vol – 29, Issue – 5, May 2023.
- Mr. Laxmikantha K **“Food Adulteration Detection & Sorting Solution through Machine Learning”** International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certified| Impact Factor 8.066|Peer-reviewed / Refereed journal| Vol. 10, Issue 4, April 2023 DOI:10.17148/ IARJSET. 2023.10429, ISSN (O) 2393-8021, ISSN (P) 2394-1588
- Dr. Rekha B Venkatapur**“Traffic Controlling in Smart Cities”**,The Second Interantional Conference on Artificial Intelligence, Compuational Electronics and Communication Engineering, Manipal Institute of Technology, Manipal, 16<sup>th</sup> -17<sup>th</sup>February 2023
- Mr. Somasekhar T **“A Two- Stage Convolutional Neural Network for Lung Nodule Detection”** IARJSET, Vol 10, Issue 2, February 2023, DOI:10.17148/IARJSET.2023.10218ISSN (ONLINE) 2393-8021, ISSN (PRINT) 2394-1588
- Mr. Somasekhar T **“Identification of Medicinal Plants by Image Processing of Leaf Samples”** International Research Journal of Modernization In Engineering Technology And Science (IRJMETS), Vol 05, Issue 02, February 2023, e - ISSN 2582-5208, February 2023.
- Dr. Rekha B Venkatapur**“Survey on Institution Accreditation and Automation System”**,IJARCCE, International Journal Of Advanced Research In Computer And Communication Engineering Volume 12, Issue 1, January 2023 DOI:

10.17148/IJARCCE.2023.12109

- Mr. Raghavendrachar S **“Survey On Autoencoder Based Detection Of Nutritious Leaves”** International Journal Of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume 12, Issue 1, January 2023 DOI: 10.17148/ IJARCCE.2023.12132, Certificate# IJARCCE/2023/6-2
- Mr. Laxmikantha K **“Survey on Food Adulteration for Toor Daal”** International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certified | Impact Factor 7.12 | Vol. 10, Issue 1, January 2023 DOI: 10.17148/IARJSET.2023.10136, ISSN (O) 2393-8021, ISSN (P) 2394-1588
- Dr. Rekha B Venkatapur **“Automatic Tracking of Objects Using Improvised Yolov3 Algorithm and Alarm Human Activities in case of Anomalies,”** International Journal of Information Technology, ISSN (2511-2112), SPRINGER, 2022 with DOI: 10.1007/s41870-022-01062-0.
- Dr. Rekha B Venkatapur **“Intelligent Surveillance System to detect Moving Drones Equipped with Weapon Payloads”** Journal of Optoelectronics Laser, SCOPUS, ISSN: 1005-0086, vol:41, issue:09, pp:578-583, 2022 with DOI: 10050086.2022.09.64.

## **ACHIEVEMENTS BY FACULTY**

### **SESSION CHAIR**

- Dr. Rekha B Venkatapur, Invited as Session Chair for **“3<sup>rd</sup> Congress on Intelligent Systems International Conference CIS 2022”** at Christ, Bangalore on 5<sup>th</sup> and 6<sup>th</sup> Sept 2022.
- Dr. Rekha B Venkatapur Session Chair on **“National Conference on Computing Technology (NCCT 2023)”** organized by RNS Institute of Technology on 8<sup>th</sup> May 2023.

### **PAPER REVIEWER**

- Dr. Rekha B Venkatapur, Reviewer for **“4<sup>th</sup> IEEE International Conference on CCIP-2022”** at JSSATE from 23<sup>rd</sup> and 24<sup>th</sup> Dec 2022.

- Dr.Rekha B Venkatapur, Reviewer for “**2<sup>nd</sup> International Conference on Innovative Sustainable Computational Technologies (CISCT-2022)**” at Graphic Era University from 23<sup>rd</sup> and 24<sup>th</sup> Dec 2022.
- Dr.VijayalaxmiMekali, Reviewer for “**4<sup>th</sup> IEEE International Conference on CCIP-2022**” at JSSATE from 23<sup>rd</sup> and 24<sup>th</sup> Dec 2022.
- Dr. H S Prasantha reviewer at “**IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAISC – 2023)**”organized by IEEE Bangalore Section, Shri DharmasthalaManjunatheswara College of Engineering and Technology, Dharwad from 16<sup>st</sup> June 2023 - 17<sup>th</sup> June 2023.
- Dr. H S Prasantha reviewer at “**Project Exhibition**” organized by SJBIT, Bangalore on 3<sup>rd</sup> May 2023.
- Dr. H S Prasantha was an reviewer at “**2<sup>nd</sup> IEEE International Conference on Distributed computing and Electrical Circuits and Electronics (ICDCECE-2023)**”organized by Ballari Institute of Technology and Management, Ballari from 29<sup>th</sup> April 2023 to 30<sup>th</sup> April 2023.
- Dr. H S Prasantha was an reviewer at “**IEEE International conference on Integrated Circuit and Communication Systems (ICICACS – 2023)**”organized by SLN College of Engineering, Raaichur from 24<sup>th</sup> February 2023 to 25<sup>th</sup> February 2023.

## **RECOGNITION**

- Dr. H S Prasantha is Editorial Board Member of “**Journal on Image Processing**”i- Manager Publication 2022.

## **MENTOR**

- Dr. H S Prasantha was a Mentor at **Hackathon “ CodXPress**”organized by IEEE Bangalore Section from 29<sup>th</sup> April 2023 to 30<sup>th</sup> April 2023.

## **BOOK SERIES EDITOR**

- Dr. H S Prasantha was a Book Series Editor at “**Futuristic Trends in Artificial Engineering**”organized by IIP Series Conferences a& Edited Books on 13<sup>st</sup> June 2023.

## **PATENTS BY FACULTY**

- Dr.Prasantha H S published International UK Design patent “**Agricultural Drone for Crop Health Monitoring**”, Patent Number 6302803, patent filed on 10<sup>th</sup> August 2023 and published on 21<sup>st</sup> August 2023

## **ACHIEVEMENTS BY STUDENTS**

- Team Aakriti, Indrajit, Tanushree, Ashika H N, Thriveni U, Kavyashree S L, Varsha Bai R, Runners Up of the vent “**The Coding Rangers**”organized by TNS India Foundation on the occasion of ‘ The National Youth Day’ on 12<sup>th</sup> Jan 2023.
- Aakriti, Winner with cash price Rs. 5000 of the event “**Smart Engineering for a Better World**” organized by The Institution of Engineers(India), Karnataka State Centre on 15th Sept 2022.
- GouthamM, Nikitha M, KruthikaS Vasisht, Ashwini J, Srividya H R, Puvan Kumar V, Winners of “**Smart India Hackathon**” with a team name Access\_Denied organized by Ministry of Education Innovation Cell and All India Council for Technical Education, Coimbatore, Tamil Nadu on 25<sup>th</sup> and 26<sup>th</sup> Aug 2022.
- Satish V, G Preritha, Amrutha K H, Kothapalli Sreeja, Kavya Shree S L, Keerthan Gowda S Winners of the “**Smart India Hackathon**” with a team nameWhat\_The\_Food organized by Ministry of Education Innovation Cell and All India Council for Technical Education, Hyderabad, Telangana on 25<sup>th</sup> and 26<sup>th</sup> Aug 2022.
- Pranav M S, Raksha S, Naveen K M, Shashank Mishra R V, Yashwanth, Vijay N S, First Runnerup of the “**Smart India Hackathon**” with a team name CTRL\_ALT\_ELITE organized by Ministry of Education Innovation Cell and All India Council for Technical Education, Bhopal, Madhya Pradesh on 25<sup>th</sup> and 26<sup>th</sup> Aug 2022.

## **FUNDED PROJECTS**

- The project titled “**Tamper-Proof Air Quality Management System**” carried out by final year students Ms. Ashwini J, Ms. Kruthika S Vasisht, Ms. Nikitha M and Ms. Srividya H R under the guidance of Dr. Vaneeta M was selected for **KSCST** of **Rs. 2500**.

## **100% RESULTS**

<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>STAFF NAME</b>
18CS51	Management And Entrepreneurship for it Industry	Mrs. Supreetha Ganesh
18CS56	Unix Programming	Mr. Lakshmikanth
18CS62	Computer Graphics and Visualization	Mr.NagabushanPandarinath Mrs. Kavya M S
18CS63	Web Technology and its Applications	Mr. Raghavendrachar S Mrs. Pallavi K N
18CS643	Cloud Computing and its Applications	Mrs. Supreetha Ganesh Ms. Namyapriya Dayananda
18CS645	System Modelling and Simulation	Dr. Rekha B Venkatapur
18ME653	Supply Chain Management	Mr. Rajesh G L
18CS62	Computer Graphics and Visualization	Mr.NagabushanPandarinath Mrs. Kavya M S
18CS63	Web Technology and its Applications	Mr. Raghavendrachar S Mrs. Pallavi K N
18CS643	Cloud Computing and its Applications	Mrs. Supreetha Ganesh Ms. Namyapriya Dayananda
18CS645	System Modelling and Simulation	Dr. Rekha B Venkatapur
18ME653	Supply Chain Management	Mr. Rajesh G L
18CS81	INTERNET OF THINGS	Mr. Krishna Gudi
18CS822	STORAGE AREA NETWORKS	Mr. Harshavardhan J R Mr. Roopesh Kumar B N



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### ENGINEERING:

#### EVENTS CONDUCTED:

1. The Department of Electronics and Communication Engineering organized a Faculty Development Program on “**Simulation of Electronics Circuits using Multisim & LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” in association with IETE, ISTE, and IE(I) from 26th Sep 2022 to 30th Sep 2022.



2. The Department of Electronics and Communication Engineering organized the IPR AWARENESS PROGRAM “**IPR Tools for Engineering Students**” with IETE, ISTE, and IE (I) on 30th September 2022



3. The Department of Electronics and Communication Engineering organized “**5 days Student Development Program on the Simulation of Electronics Circuits using MULTISIM**” on 18th October 22nd October 2022.



4. The Department of Electronics and Communication Engineering organized **“Breast Cancer Awareness”** by Dr. Mathangi J in association with IEEE-WIE, NSS, and ASH on 15th October 2022.



5. The Department of Electronics and Communication Engineering organized the **“IEEE Valedictory Function”** by IEEE-KSIT on 29th October 2022.



6. The Department of Electronics and Communication Engineering organized **ONE DAY INDUSTRIAL VISIT to “Bengaluru Tech Summit 2022”** by IETE, ISTE, and IEEE on 18th November 2022.



7. The Department of Electronics and Communication Engineering organized the **“Elimination of Violence against Women”** ASH, IEEE-WIE in association with WICCI on 25th November 2022.



8. The Department of Electronics and Communication Engineering organized a **“Sensitisation workshop for employees to create awareness about sexual harassment”** by Ms. Deepa Rafeeqe in association with ASH, IEEE-WIE on 25th November 2022.



9. The Department of Electronics and Communication Engineering organized an event **“Saarang”** by IEEE -KSIT on 26th November 2022.



10. The Department of Electronics and Communication Engineering organized a Guest Lecture on **“Addressing Challenges in Research Publications”** by Dr. Nilanjan Dey, Associate Professor, Techno International New Town, Kolkata in association with IETE, Research Forum on 26th November 2022.



11. The Department of Electronics and Communication Engineering organized a Workshop on **“Robotics and Aeromodelling”** by Nishanth K and V Ranjith Kumar in association with Garut Aerobotics Club on 26th and 27th December 2022 IEEE.



12. The Department of Electronics and Communication Engineering organized a Motivational talk on **“Career and opportunities for higher studies”** by Dr. Giri Babu in association with IEEE, and ISTE on 29th November 2022.



13. The Department of Electronics and Communication Engineering organized the **“Coding Contest- RUN TIME ERROR “Coding Ninja by IEEE on 5th December 2022.**



14. The Department of Electronics and Communication Engineering organized the **“Placement assistance test- SKILL SERANADE “Coding Ninja by IEEE on 5th December 2022.**



15. The Department of Electronics and Communication Engineering organized **ONE DAY INDUSTRIAL VISIT to "KPCL Solar photovoltaic plant"**, Shivanasamudram, Malavalli by IETE, ISTE, IEEE on 16th December 2022.



16. The Department of Electronics and Communication Engineering organized ONE DAY INDUSTRIAL VISIT to Place of Visit: IMTEX- 2023 at BIEC, Bangalore by IETE, ISTE, IEEE on 24<sup>th</sup> Jan 2023.



17. An Awareness talk has been organized on “Overcome of Harassment Challenges” by Ms.Lakshmi A N Rao,Advocate,Council Member,WICCI KAASH under the banner of KSIT-ASH, WICCI on 11th Feb 2023.



18. The Department of Electronics and Communication Engineering organized a Motivational talk on “Embrace Equity” by Mrs.Kripa Venkatachalam,Cadence India Field Application Engineering in association with IEEE-KSIT,KSIT-ASH on 8th March 2023.



19. The Department of Electronics and Communication Engineering organized a Motivational talk on “Embrace Equity” by Mrs.Kripa Venkatachalam,Cadence India Field Application Engineering in association with IEEE-KSIT,KSIT-ASH on 8th March 2023.



20. The Department of Electronics and Communication Engineering organized an event on “Women's Day celebration 2023” for KSIT Teaching and Non-Teaching faculties in association with IEEE-KSIT,KSIT-ASH on 8th March 2023.



21. The Department of Electronics and Communication Engineering organized Workshop on "Aero modelling & Hydro Rocketry" by Mrs. Vanamala A (Principal of SJRKPS) and Mrs. Prema R (Co Ordinator for high school) in association with IEEE,Garut club on 15th March 2023.



22. The Department of Electronics and Communication Engineering organized a short term course on "Student Enablement Program for "Women Empowerment " by Mr.D.Vishnu Prasad,State Head Karnataka,ICT Academy ,AASHU DEV,AWS Academy Accredited Educator.MADHAN S,AWS Academy Accredited Educator.JAHIRAL BANU,Career Coach, Image Consultant, and Soft Skills trainer.SUSHMA SADALAGE,Soft Skills Trainer and International Coach in association with KSIT,Paypal,ICT Academy from 16th March 2023-Inaugural ,20th March to 5th April 2023.



23. The Department of Electronics and Communication Engineering organized ONE-DAY WORKSHOP ON "Innovation and design thinking" by Dr Zoya Fathima , Associate Professor & HOD, Dept. of Civil Engineering BGS college of Engineering and Technology (BGSCET), Bengaluru in association with Antariksh club on 21st March 2023.



24. The Department of Electronics and Communication Engineering organized a Six days workshop on "Python Programming & Its Applications" by Mr.Suresh Maha Rajashekar, in association with IETE,ISTE, IEEE,IE(I) on 27th March to 1st April 2023 .

25. The Department of Electronics and Communication Engineering organized Six days FDP on "Python Programming & Its Applications" by Mr.Suresh Maha Rajashekar, in association with IETE,ISTE, IEEE,IE(I) on 27th March to 1st April 2023 .



26. The Department of Electronics and Communication Engineering organized Seminar on "Career opportunities after Engineering" by Mr.Prateek Mishra,IMS GATE Academy in association with KSIT-ISTE,IE(I) on 21st April 2023.



27. The Department of Electronics and Communication Engineering organized ONE DAY INDUSTRIAL VISIT to U R Rao Satellite Centre, Bangalore by Mr.Prateek Mishra,IMS GATE Academy in association with ISTE,IEEE,IETE,IE(I) on 28th April 2023.





28. The Department of Electronics and Communication Engineering organized "Project Exhibition 2022-23" by Dr. Shyam Vasudeva Rao, Founder and Director Forus Health Renalyx Health System Pvt. Ltd in association with ISTE, IEEE, IETE, IE(I) on 29th April 2023.



29. The Department of Electronics and Communication Engineering organized "" Paper Presentation Contest 2022-23"" by Dr. Shyam Vasudeva Rao, Founder and Director Forus Health Renalyx Health System Pvt. Ltd in association with ISTE, IEEE, IETE, IE(I) on 29th April 2023.



30. The Department of Electronics and Communication Engineering organized "SPS Day "by Mr. Harish Venugopal, Senior Program Manager, Car Audio Solutions, Harman International in association with IEEE-KSIT, WIE, SPS on 2nd June 2023.



31. The Department of Electronics and Communication Engineering organized " IEEE Valedictory Function " by Dr.Dilip Kumar K,Principal/Director,Dr.P.N.Sudha,HOD-ECE in association with IEEE-KSIT,WIE,SPS on 2nd June 2023.



32. The Department of Electronics and Communication Engineering organized " NISVARTH - 2023(5K Marathon)" by Dr.Dilip Kumar K,Principal/Director,Dr.P.N.Sudha,HOD-ECE in association with IEEE-KSIT,WIE,SPS on 17th June 2023.



33. The Department of Electronics and Communication Engineering organized " Drug Awareness Program " by Sri.Siddaraju,Inspector,Dept.of Police,Thalaghattapura in association with KSIT-ASH,NSS on 26th June 2023.



### **EVENTS ATTENDED BY FACULTY:**

- Dr. B Surekha, Professor Participated in 4 weeks online lab workshop on “**FPGA architecture and Programming using Verilog HDL**” organized by Arm Education and NIELIT, Calicut from 25th July 2022 to 19th August 2022.

- Mrs. Ramya K R participated in the national level FDP on “**Emerging Trends in Power, Energy and Control**” conducted by the Department of Electrical and Electronics Engineering Muthoot Institute of Technology and Science Ernakulum Kerala during 22<sup>nd</sup> -27<sup>th</sup> August 2022.
- Dr. P N Sudha, Professor and HOD Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. B Surekha, Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. Chanda V Reddy, Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. B Sudarshan, Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. Rekha N, Associate Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. Dinesh Kumar D, Associate Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mr. B R Santhosh Kumar, Associate Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Dr. Devika B, Associate Professor Participated in a 5 days faculty development program on “**Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design**”

**& Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.

- Mrs. Ramya K R, Associate Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mrs. Vishalini Diwakar, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mr. Sampath Kumar S, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mrs. Sangeetha V, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mr. Praveen A, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mr. Christo Jain, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.
- Mrs. Pooja S, Assistant Professor Participated in a 5 days faculty development program on **“Simulation of Electronic circuits using Multisim &LabVIEW Programming and Design & Analysis using VLSI Cadence Tool**” organized by K S Institute of Technology from 26th September to 30th September 2022.

- Dr. P N Sudha, Professor and HOD Participated in a 5 days faculty development program on “**Challenges and opportunities for Women in Science Technology, Engineering and Mathematics**” organized by K S School of Engineering and Management from 17th October to 21st October 2022.
- Dr. B Surekha, Professor Participated in a 15 days faculty development program on “**Artificial Intelligence and Machine Learning Techniques for Precision Agriculture**” organized by JSS Academy of Technical Education from 10th October to 21st November 2022.
- Mrs. Sangeetha Assistant Professor Participated in a 5 days faculty development program on “**Challenges and opportunities for Women in Science Technology, Engineering and Mathematics**” organized by K S School of Engineering and Management from 17th October to 21st October 2022.
- Mrs. Bhargavi Ananth Assistant Professor participated in a 5 day faculty development program on “**Challenges and opportunities for Women in Science Technology, Engineering and Mathematics**” organized by K S School of Engineering and Management from 17th October to 21st October 2022.
- Mrs. Ramya K R, Associate Professor , participated in the virtual five-day FDP on “**Research Publication and Ethics**” organized by the department of Management Studies NMIT Bengaluru during 16<sup>th</sup> November to 20<sup>th</sup> November 2022.
- Mrs. Shruti V Joshi, Assistant Professor , participated in the virtual five-day FDP on “**Research Publication and Ethics**” organized by the department of Management Studies NMIT Bengaluru during 16<sup>th</sup> November to 20<sup>th</sup> November 2022.
- Mrs. Ramya K R , Associate Professor participated in the five - day FDP on “**Electrical Vehicle Technologies -A Future Transportation Tool**” organized by Bangalore Institute of Technology from 28th November to 2nd December 2022.
- Mrs. Shruti V Joshi, Assistant Professor participated in the five - day FDP on “**Electrical Vehicle Technologies -A Future Transportation Tool**” organized by Bangalore Institute of Technology from 28th November to 2nd December 2022.
- Mrs. Ramya K R , Associate Professor attended a seminar on “**How to do Quality Publication**” organized by IEEE student branch and Department of Electronics and Communication Engineering NMIT Bengaluru on 7<sup>th</sup> December 2022.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 3 days faculty development program on “**The Key Enablers for Future Communication**” organized by Vellore Institute of Technology Chennai from 26th March to 28th March 2023.

- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 5 days faculty development program on “**Role of Communication Engineering in IoT / IOMT** ” organized by Vellore Institute of Technology Chennai from 3rd April to 7th April 2023.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 3 days faculty development program on “**Exploring the Impact of Emerging Technologies in Future Networks and Systems**” organized by Vellore Institute of Technology Chennai from 24th May to 26th May 2023.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 5 days faculty development program on “**Exploring the Scope of Engineering Mathematics in Control Systems and Signal Processing**” organized by Vellore Institute of Technology Chennai from 12th June to 16th June 2023.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 3 days faculty development program on “**Advanced Semiconducting Materials and Devices : A roadMap on Fabrication and Characterization**” organized by Vellore Institute of Technology Chennai from 18th June to 20th June 2023.
- Mr. Saleem S Tevaramani, Assistant Professor Participated in a 3 days faculty development program on “**Design and Fabrication of VLSI and Nanomaterial Based Sensors**” organized by Vellore Institute of Technology Chennai from 4th July to 7th July 2023.
- Mrs.Shruthi V Joshi, Assistant Professor Participated in a 5 days faculty development program on “**Inculcating Universal Human values in Technical Education**” organized by AICTE from 1st April to 5th April 2023.
- Mrs. Suma Santosh, Assistant Professor Participated in a 6 days faculty development program on “**Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective** ” organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Bhanumathi A, Assistant Professor Participated in a 6 days faculty development program on “**Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective** ” organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Anita P, Assistant Professor Participated in a 6 days faculty development program on “**Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective** ” organized by CMR Institute of Technology from 8th May to 13th May 2023.
- Mrs. Kavya B M, Assistant Professor Participated in a 6 days faculty development program on “**Artificial Intelligence and Machine Learning for Image Analysis-MATLAB & Python Perspective** ” organized by CMR Institute of Technology from 8th May to 13th May 2023.

## **BOOK CHAPTER PUBLICATIONS:**

- **Dr. Surekha Borra , Mr. Sunil Kumar G.R,** published “In-Theatre Real Time Piracy Detection and Discouraging System” Design Studies and Intelligence Engineering , Proceedings of DSIE 2022, Frontiers in Artificial Intelligence and Applications Series, Vol. 365, pp.220-229,2023. [ISBN:978-1-64368-372-0].
- **Dr. Surekha Borra,**Published Detection and Classification of Leukocytes in Blood Smear Images: State of the Art and Challenges,””Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention””, Chapter 57, pp. 1099-1130, 2023, EISBN13: 9781668475454.

## **INTERNATIONAL JOURNAL PUBLICATIONS:**

- Dr. P.N Sudha,”Fruit Categorizer Using PH Sensor”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp.155-159, 2023.[ ISS N: 2393-8021]
- Dr. P N Sudha,”IOT Based School Bus Monitoring System”,International Journal for Research in Applied Science and Engineering and Technology”, Vol. 11, No. 5, pp.no.394-400,2023[ ISSN: 2321-9653].
- Dr. P N Sudha,”Wireless notice using Bluetooth module H C-05”,International Advanced Research Journal in Science, Engineering and Technology,Vol. 10,No. 6,pp. 578-581,June 2023[ ISSN :2393-8021]
- Dr. P N Sudha,”Colour sorting Robotic ARM”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 566-570,June 2023.[ ISSN:2393-8021]
- Dr. Surekha Borra,”Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust,IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023.
- Dr. Surekha Borra,”CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images”,International Journal of Biomedical Engineering and Technology, Jan 2023[ISSN:1752-6426]
- Dr. Surekha Borra,”Tracking of Mobile Phones for Piracy Detection”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5,pp.196-202, 2023[ISSN : 2393-8021].**Accepted in press**

- Dr. B Sudarshan,"Tamper Proof Ration Disbursement System for Rural Areas",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 268-280, 2023. [ ISSN : 2393-8021]
- Dr. B Sudarshan,"Automated and Movable Waste Segregator", International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 377-383, 2023.
- Dr. B Sudarshan,"Smart Gloves for Individuals with Speech Impairment",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 468-472,June 2023[ ISSN: 2393-8021].
- Dr.Chanda V Reddy,"Literature Survey on Women Safety Device",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 1, pp.7-15, 2023.
- Dr. Chanda V Reddy,"Guardian Gadget -Human Safety Device",International Advanced Research Journal in Science, Engineering and Technology,Vol. 10, No. 5,pp. 146-154,2023.[ ISSN 2393-8021].
- Dr. Chanda V Reddy,"Wireless Notice Board using Bluetooth HC-05 and Arduino UNO-R3",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 505-511,June 2023[ ISSN : 2393-8021]
- Dr. Chanda V Reddy,"Line Follower Robot with Obstacle Avoiding",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 441-444,June 2023[ ISSN :2393-8021].
- Dr.Rekha N, "Hybrid Power Grid Based on IOT",International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12,pp.101-106,2022.[ISSN : 2393-8021]
- Dr.Rekha N,"Literature Paper on Virtual Pen",International Advanced Research Journal in Science, Engineering and Technology ,Vol. 9, No. 12,pp. 68-73,2022 [ISSN: 2393-8021].
- Dr. Rekha N, "Power Grid Based on IOT", International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4,pp.291-296,2023.[ISSN : 2393-8021]
- Dr. Rekha N,"Virtual Pen",International Advanced Research Journal in Science, Engineering and Technology ,Vol. 10, No. 4, pp. 202-209,2023.[ISSN 2393-8021]
- Dr. Rekha N,"Water and Air Pollution Monitoring System",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 512-517,June 2023.[ ISSN: 2393-8021]
- Dr. Rekha N,"Surveillance Robot using ESP 32 CAM Module",International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 402-406,June 2023[ ISSN: 2393-8021].



- Dr. Dinesh Kumar D S,”Literature review on Smart Restaurant Using E-Menu and Waiter Robot”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp.63-67, 2022.[ISSN: 2393-8021 ].
- Dr. Dinesh Kumar D. S,”Smart Restaurant using E-Menu and Waiter Robot”, International Journal of Creative Research Thoughts (IJCRT) Vol. 11, No. 5, pp. no. 496-501,2023[ISSN :2320-2882].
- Dr. Dinesh Kumar D. S, “Navigation System and Speech Assistive Device for Visually Impaired People”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 501-504,June 2023[ ISSN: 2393-8021].
- Dr.Devika B, “Literature Survey on Health Monitoring System”,International Advanced Research Journal of Engineering and Technology, Vol.2, No. 12, pp. 1-11, 2022.[ ISSN: 2583-0813]
- Dr.Devika B,”Health Monitoring System”, International Advanced Research Journal of Engineering and Technology,Vol.10,No. 5,pp. 125-130,2023.[ ISSN : 2393-8021]
- Dr.Devika B,” Forest Monitoring System”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 4,pp. 334-339,2023.[ ISSN: 2393-8021].
- Dr.Devika B,” Automatic Water Dispenser Using IR Sensor”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 489-493,June 2023[ ISSN:2393-8021]
- Dr.Devika B, “Smart Car Parking System”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 518-522,June 2023.[ ISSN : 2393-8021].
- Mrs.Ramya K.R, “Fire Fighting Robot”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12,pp. 112-115,2022.[ISSN 2393-8021]
- Mrs.Ramya K.R,”Distance Based Collision Avoidance with Automatic Acceleration and stopping in Automobiles”,International Advanced Research Journal in Science, Engineering and Technology,Vol. 10,No. 6,pp. 407-410,June 2023[ ISSN : 2393-8021].
- Mr.Santhosh Kumar B.R, “Survey on Anti Corruption Traffic Management System”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp.251-262,2023 . [ ISSN: 2393-8021]
- Mr.Santhosh Kumar B.R, “Bluetooth Robot Control using Smartphone”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 394-397,June 2023[ ISSN : 2393-8021].

- Mr.Santhosh Kumar B.R, “Home Automation for Disabled using Voice Tag”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 562-565,June 2023[ ISSN :2393-8021]
- Mrs.V Sangeetha,”Survey on Robotic Nurse”,International Research Journal of Modernization in Engineering Technology and Science, Vol. 04, No. 12,pp.1422-1427,2022.[ISSN: 2582-5208].
- Mrs.V Sangeetha,” A Literature Survey of Robot with Different Applications”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 1, pp. 53-55, 2023. [ISSN: 2393-8021].
- Mrs. V Sangeetha,”Robotic Nurse”, International Journal for Scientific Research & Development,Vol. 11, No. 3,pp.1-5,2023.[ ISSN: 2321-0613].
- Mrs.V Sangeetha,” Voice Controlled Personal Assistant Robot”, International Advanced Research Journal in Science, Engineering and Technology,Vol. 10, No. 4,pp. 243-250, 2023[ ISSN: 2393-8021]
- Dr. Pooja S, “Automatic Wall Painting Robot”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 4, pp. 297-301,2023. [ ISSN: 2393-8021]
- Dr. Pooja S,”Anti-Smuggling Alarm System for Trees in Forest”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 354-358,June 2023[ ISSN: 2393-8021]
- Mr. Saleem S Tevaramani,”Passport Verification Using RFID and IOT”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, No. 12, pp. 85-90, 2022.[ ISSN:2393-8021].
- Mrs. Vishalini Divakar,”Petrol Bunk Automation and Security using RFID”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5, pp. 461-470, 2023.[ ISSN : 2393-8021]
- Mrs. Vishalini Divakar, “OTP Based Smart Wireless locking System using Arduino”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 551-555,June 2023[ ISSN :2393-8021].
- Mrs.Bharghavi Ananth,” Sun Tracking Solar panel”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 533-539,June 2023[ ISSN: 2393-8021]
- Mrs.Bhargavi Ananth,” Non-Invasive Thyroid Detection”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, No. 5, pp.210-215, 2023.[ISSN: 2394-1588].

- Mr.Praveen A, “Density Based on Traffic Signal Control and Management”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 398-401,June 2023[ ISSN: 2393-8021]
- Mr. S Christo Jain,”Arduino Based Fire fighting Robot”,International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,Issue 6,pp. 382-385,June 2023[ ISSN: 2393-8021]
- Mrs. Shruthi V Joshi,” Automatic Obstacle Detecting Robot”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 417-420,June 2023[ ISSN :2393-8021]
- Mrs. Bhanumathi A, “RC522 and EM-18 Based Attendance Management System”,International Advanced Research Journal in Science, Engineering and Technology,Vol. 10,No. 6,pp. 540-544,June 2023[ ISSN :2393-8021]
- Mrs.Kavya S.M, “Automatic Hand Sanitizer”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp.572-577 June 2023.[ ISSN: 2393-8021]
- Mrs. Anitha P, “Voice Controlled Car using Arduino”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 481-485,June 2023[ ISSN :2393-8021]
- Mr. Suma Santhosh, “Electric Power Generation using Piezoelectric Transducer”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10,No. 6,pp. 455-458,June 2023[ ISSN: 2393-8021]

### **ACHIEVEMENTS BY STUDENTS:**

- AmshumanthK.M , participated in the National Symposium and Workshop on Trends & Developments in Intelligent Systems & Robotics organized by PES University from 5th to 6th August 2022.
- Pratiksha, completed 4 year Leadership Training from Katalyst.
- Sumana N, participated in Seva Day 2022 organized by Hindu Seva Pratishtana on 17th December 2022.
- Sumana N. participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Suraksha N, participated in Seva Day 2022 organized by Hindu Seva Pratishtana on 17th December 2022.

- Suraksha N, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Sonika R, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Sonika R , participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Kiran Dev D, participated in an event Nanna Nadu Nanna Hadu organized by Dept. of Kannada and culture-Karnataka on 28th October 2022.
- Kiran Dev D, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Kavya S M, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Kavya S M, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- K Jeevitha, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- K Jeevitha, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Kumar K G, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Sumukha S, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Rahul Krishna, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Yashilaa S, participated in Nation Building Activity through the festival of democracy organized by LEAD & NSS.
- Harshitha B.L, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Vaishnavi V.H, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Rahul Krishna, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.
- Yashilaa S, participated in Seva Day 2022 organized by Hindu Seva Pratishthana on 17th December 2022.

- Sumukha S, participated in Seva Day 2022 organized by Hindu Seva Pratishtana on 17th December 2022.
- Chiranth V. V , Won first prize in Technotsav-call of duty organized by department of Mechanical Engineering , K S Institute of Technology on 14th December 2022.
- Narahari, Won first prize in Technotsav-call of duty organized by Department of Mechanical Engineering, K S Institute of Technology on 14th December 2022.
- Sai Spoorthi N won First Prize for the project “IoT Based Smart Mirror” organized by IEEE SPS SigPro-2022.
- Sachin N.M Participated and received Certificate of Appreciation Organized by Red Cross Society on 07-08-2023.
- Uday C.H Participated and received Certificate of Appreciation Organized by Red Cross Society on 07-08-2023.
- Uday C.H Participated in Matrix Organized by IEEE on 19/4/2023 to 23/4/2023.
- Uday C.H Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE,KSIT on 17/6/2023.
- Kumar K G Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE,KSIT on 17/6/2023.
- K.M Amshumanth Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE,KSIT on 17/6/2023.
- Kumar K G Participated in NSS-Abhyudhaya 2023 Organized by KSIT on 22/6/2023 to 28/6/2023.
- Meghashree Participated in NSS-Abhyudhaya 2023 Organized by KSIT on 22/6/2023 to 28/6/2023.
- Suraksha N Participated in NSS-Abhyudhaya 2023 Organized by KSIT on 22/6/2023 to 28/6/2023.
- Sonika R Participated in NSS-Abhyudhaya 2023 Organized by KSIT on 22/6/2023 to 28/6/2023.
- K.M Amshumanth Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 30/6/2023 and won First Prize.
- K.M Amshumanth Participated and received Certificate of Appreciation Organized by KSIT on 2022-23.
- Kiran V Narayan Participated and received Certificate of Appreciation Organized by KSIT on 2022-23.
- Gandamani C.M Participated and received Certificate of Appreciation Organized by KSIT on

2022-23.

- Aditi Dubey Participated and received Certificate of Appreciation Organized by KSIT on 2022-23.
- Suraksha N Participated and received Certificate of Appreciation Organized by Red Cross Society on 07-08-2023.
- Rakshitha A Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 30/6/2023 and won Second Prize.
- Chaya S Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE,KSIT on 17/6/2023.
- Chaya S Participated in SAARANG Organized by Dept. of ECE,KSIT on 26/11/2022.
- Kiran Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 07-04-2023.
- Kumar K G Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 07-04-2023.
- Kiran V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 30-06-2023 and won First Prize.
- Kumar K G Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 30-06-2023 and won First Prize.
- Shaik Arfath participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur Bangalore on 2/8/2023 to 3/8/2023.
- Vidya Rawal participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur Bangalore on 2/8/2023 to 3/8/2023.
- Anagha Prakash participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur Bangalore on 2/8/2023 to 3/8/2023.
- Gurushankar M participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur Bangalore on 2/8/2023 to 3/8/2023.
- Anirudha R Bhat participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur Bangalore on 2/8/2023 to 3/8/2023.
- Meghana N Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won Third Prize.
- Meghana N Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won Third Prize.
- Sanjana V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won First Prize.
- Preksha S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on

09-02-2023 and won First Prize.

- Anagha Prakash Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won Third Prize.
- Damini S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won First Prize.
- Archana G.M Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 09-02-2023 and won Second Prize.
- Veeresh K.N Participated in QUIZ-SPS DAY Organized by Dept. of ECE,KSIT on 06-02-2023.
- Rehaman Shariff Participated in IDEATHON-SPS DAY Organized by Dept. of ECE,KSIT on 06-02-2023.
- Anagha Prakash Participated in IDEATHON-SPS DAY Organized by Dept. of ECE,KSIT on 06-02-2023.
- Gurushankar M Participated in IDEATHON-SPS DAY Organized by Dept. of ECE,KSIT on 06-02-2023.
- Damini S Participated in POSTER MAKING-SPS DAY Organized by Dept. of ECE,KSIT on 06-02-2023.
- Amulya R Participated in Certificate of Merit Organized by KSIT and won First Prize on 09/09/2023.
- Disha Shivani Participated in Certificate of Merit Organized by KSIT and won Third Prize on 09/09/2023.
- Krupa A Participated in Certificate of Degree VTU Organized by KSIT for B.E with Honours on 08-01-2023.

## **ACHIEVEMENTS BY FACULTY**

- Dr. Rekha N, Associate Professor, recognized as Reviewer for IEEE MYSURUCON 2022-The 2nd Edition of the Mysore Subsection Flagship International Conference on 16th & 17th October 2022.
- Dr. Rekha N is the Topper of the NPTEL course “Modern Digital Communication Techniques” held during July- October 2022.
- Dr.P.N. Sudha, Professor, HOD-ECE Completed 12 weeks NPTEL Course on Cryptography & Network Security during July 2022 to October 2022.

- Dr.P.N. Sudha,Professor,HOD-ECE Worked & volunteered as a proctor to guide and oversee competing teams for the IEEEExtreme 16.0 programming competition that hosted +14,600 participants 22<sup>nd</sup> October 2022 organized by IEEE.
- Dr.Sangappa.S.B,Professor,Dept.ECE worked as “ Chief Co-ordinator” for registration committee &honored as member of reception committee during ABRSM National Conference on “India to Bharat” held during 11th to 13th November 2022 at Janasva vidya kendra,Chennenahalli,Bengaluru.
- Dr.Sangappa.S.B,Professor,Dept.ECE Appointed as “Chairman”by Board of Examination in ECE Board of VTU ,Belagavi on 7th November 2022.
- Dr.Sangappa.S.B,Professor,Dept.ECE Received Letter of Appreciation from Akhil BharatiyaShaikshikMahasangh on 28th November 2022.
- Dr.Sangappa.S.B,Professor,Dept.ECE Worked as “Nodal Officer” for the project of Govt Schools adoption program by K.S.Group’s,KSIT.where 5 Govt. Schools needs were executed as the program Co-ordinator for the year 2022 &gor felicitated by Sri.B.C.Nagesh Education Minister Govt. of Karnataka.
- Dr.Sangappa.S.B,Professor,Dept.ECE Worked as Advisory Committee member on 24th ISTE Karnataka State Level Faculty Convention organised by JSS Academy of Technical Education ,Bengaluru on Accreditation &NEP 2020 for excellence in Higher Education Institutions.
- Dr.Sangappa.S.B,Professor,Dept.ECE Honored as “Guest” at two days National Seminar on “Bharat @75 Unnat Shikshan Unnat Bharat”held on 7th &8th September 2022 at Jnana Jyothi Sabhangana,Bangalore University &shared dais with his excellency Shri.Tawar Chand Gehlot,Honorable Governor of Karnataka & addressed the gathering during valedictory function of the event.
- Dr.Sangappa.S.B,Professor,Dept.ECE Honored as “ Seminar Convenor” at two days National Seminar on “Bharat @75 Unnat Shikshan Unnat Bharat”held on 7th &8th September 2022 at Jnana Jyothi Sabhangana,Bangalore University.
- Dr.Sangappa.S.B,Professor,Dept.ECE Attended the “118th meeting of ISTE National Executive Council” held on 26th August 2022 at Fairfield by Marriott at Goa and received the “Best Student Chapter Award” of ISTE for KSIT by the Chief Minister of Goa, Mr.Pramod Savanth.
- Dr.Sangappa.S.B,Professor,Dept.ECE was Nominated as a “Member of the Committee” to look into the membership drive and state section share issues of ISTE New Delhi during the 118th meeting of the ISTE National Executive Council held on 26th August 2022 at Goa.
- Dr.Sangappa.S.B,Professor,Dept.ECE was Honored as “Patron” during the 17th Karnataka State Level ISTE Student Convention on the theme” Sustainable Development through



Innovative Technologies” organized by GM Institute of Technology, Davanagere and received “Best ISTE Student Chapter Award 2022” for KSIT on 23rd July 2022.

- Dr.Sangappa.S.B,Professor,Dept.ECE Honored as “ Guest of Honor” at 23rd ISTE Karnataka State Faculty Convention 2022 & 31st Dr.L.S.Chandrakanth Memorial Lecture on the theme “Role of Higher Education Institution in Achieving sustainable development Goals” organized by Sri Sairam College of Engineering, Bengaluru held on 21st July 2022.
- Dr.P.N. Sudha, Professor, HOD-ECE, Delivered talk in Faculty development program on “Implementing Quality Assurance:Challenges and Solutions for NAAC accreditation” at M.V.I.T, Bangalore on 7th January 2023.
- Dr.P.N. Sudha, Professor, HOD-ECE Coordinator in Paypal's Student enablement Program at K. S. Institute of Technology, Bangalore on 20/3/23.
- Dr.P.N. Sudha, Professor, HOD-ECE worked Teachers training Program in Teachers training Program on Introduction to Cyber Security at VTU, Centre for PG Studies, Muddenahalli, Chikkaballapura on 22/5/23-26/5/23.
- Dr.P.N. Sudha, Professor, HOD-ECE External Expert in Synopsis presentation at Faculty of Engineering and Technology, Jain Group of Institutions, Bangalore on 21/5/23.
- Dr.P.N. Sudha, Professor, HOD-ECE,Reviewer in IEEE International Conference on applied Intelligence and sustainable Computing at SDM College of Engineering and Technology, Dharwad from 16/6/23 to 17/6/23.
- Dr. B. Surekha,Professor as a Session chair in NFED at Coimbatore, Tamil Nadu from 20/1/23 to 21/1/23.
- Dr. B. Surekha,Professor as a External Expert in PhD Viva at JSS Science and Technology University, Mysuru on 16/2/23.
- Dr. B. Surekha,Professor as a Session chair in National conference on digital Technology and Engineering at RVITM, Bangalore on 28/4/23.
- Dr. B. Surekha,Professor as a Reviewer in Expert Systems on 9/4/23.
- Dr. Dinesh Kumar D S ,Associate Professor as a Reviewer in International Conference of IEEE TEMSMET at IEEE on 2/5/23.
- Dr. Dinesh Kumar D S ,Associate Professor as a Reviewer in Nano composites for aerospace applications on 28/2/23.
- Dr. Devika B,Associate Professor ,as a Reviewer in IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) at Nitte Meenakshi Institute of Technology, Bangalore on 31/5/23.

- Dr. Devika B, Associate Professor, as a Judge in Project Exhibition at RNSIT, Bangalore on 12/5/23.
- Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in ICAISC-2023 at SDMCE, Dharwad from 16/6/23 to 17/6/23.
- Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in Reviewer IEEE International conference on data science networks Kalpataru Institute of Technology, Tiptur from 28/7/23 to 29/7/23.
- Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in 2nd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics at Ballari institute of technology and Management, Bellari from 29/4/23 to 30/4/23.

### **FUNDED PROJECTS:**

1. **Mr.S.Christo Jain**, Assistant Professor received a fund of Rs.5000/ for the project entitled "Sign Language to Text and Vice-Versa using Embedded System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
2. **Dr.P.N.Sudha**, Professor Received a fund of Rs.5000/- for the project entitled "Smart Wheel Chair for Aged People with E-Health Monitoring System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
3. **Dr. Rekha N**, Associate Professor Received a fund of Rs.4000/- for the project entitled "Hybrid Power Grid Based On Iot" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
4. **Dr. Rekha N**, Associate Professor Received a fund of Rs.3500/- for the project entitled "Virtual Pen" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
5. **Mrs. Ramya K R**, Associate Professor Received a fund of Rs.4000/- for the project entitled "Fire Fighting Robot" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
6. **Mr. Saleem S Tevaramani**, Assistant Professor Received a fund of Rs.4000/- for the project entitled "E-Passport Authentication using IOT and AI" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
7. **Mrs. Bhargavi Ananth**, Assistant Professor Received a fund of Rs.4000/- for the project entitled "Non-Invasive Thyroid Detection" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.

### **Patent Publication by Faculty:**

1. **Dr. Rekha N** ,Title of Invention “An Innovative Cognitive E-Mirror” design patent, Patent office Government of India, published on 21st October 2022 with IPR number 202241060309A.
2. **Dr. Rekha N**, Title of Invention “A Robust Security Management System for the Internet of Things (IoT)” design patent, Patent office Government of India, Granted on 10th November 2022 with IPR number 202022106318.

### **100% Result with Subject:**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Subject</b>
1	Dr. P.N Sudha	Wireless and Cellular Communication (18EC81)
2	Dr. P.N Sudha	Cryptography (18EC744)
3	Dr. Surekha Borra	Energy and Environment (18ME751)
4	Dr. Dinesh Kumar D S	Computer Networks (18EC71)
5	Mrs. Vishalini Divakar	Technological Innovation Management and Entrepreneurship (18ES51)
6	Mr. Sampath Kumar S	Social Connect and Responsibility (21UH36)
7	Mr. Saleem S Tevaramani	Radar Engineering (18EC823)
8	Dr. Pooja S	Radar Engineering (18EC823)
9	Dr. Pooja S	Satellite Communication (18EC732)

## DEPARTMENT OF MECHANICAL ENGINEERING:

### Events conducted by the Department:

1. TECHNOSAV 2K22 Organized on 14<sup>th</sup> December 2022 by Department of Mechanical Engineering in association with Team Redline Racing and SAE INDIA. Inauguration Graced by: Dr. Dilip Kumar K, Principal, KS Institute of Technology, Bangalore. Description of the Event: Technical competitions (Four) and Non-Technical Competition (Three). Objectives / Key Highlights: Provide a platform for students to showcase their talents in technical competition viz quiz, technical seminar, 2D modeling, Hand Sketching and Non -Technical competition viz; Fit echeck. Mobilegaming and super over cricket. No. of Participants: 356 Students (internal/external): 290 KSIT and 66 fromKSSEM, Bangalore



2. National Conference on Recent Innovations in Engineering- 2022 has been organized by the Department of Mechanical Engineering from 23rd – 24th June 2022



3. Department of Mechanical Engineering has organized a industrial visit to IMTEX Exhibition at BIEC to students (I,III and V sem) and staff on 25<sup>th</sup> Jan 2023



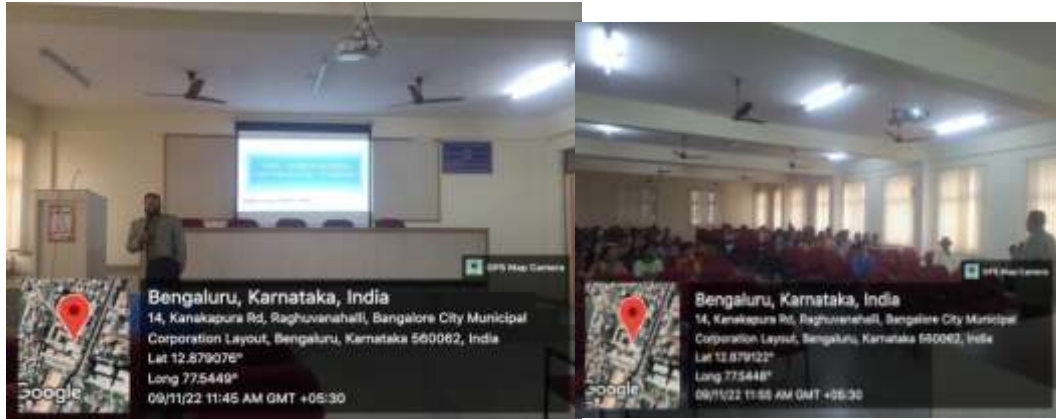
4. Organized seminar entitled “Innovation & Entrepreneurship” on 19<sup>th</sup> July 2023 for 4<sup>th</sup> semester AIML & ME students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert:** Mr. Dhiraj A Rao, Managing Director, AANS Technologies, Bengaluru.



5. Organized an invited talk entitled “SALESFORCE CAREER DEVELOPMENT ROADMAP” on 5th July 2023 for 4th semester CSD students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert:** Mr. Ravi Kumar C, Head – Innovations & Sales, Influencer Labs, Bengaluru.



6. Organized seminar entitled “**Traits - Students transition into next journey - IT Industry**” on 9th November 2022 for 7th semester CSE students between 11.30AM to 12.30PM at KSIT Conference Hall, Ground floor.**Industry expert:** Mr. Raghu Sosale, Associate Director, Delivery Lead/Manager, Cognizant Technology Solutions, Bengaluru



7. Organized an industry visit to “**BANGALORE AIRCRAFT INDUSTRIES PVT LTD, BENGALURU**” on 7th July 2023 for 2nd & 4th semester ME students between 09.00AM to 04.30PM.**Industry expert:** Mr. Girish, Co-founder & Director, BAIL, Bengaluru.



8. Organized an industry visit to “**U.R RAO SATELLITE CENTRE, ISRO, BENGALURU**” on 28th August 2023 for 1th semester ECE students between 10.00AM to 03.30PM.



9. Organized an invited talk entitled “**INTERFACE OF IPR IN ACADEMICS**” on 26th April 2023 for 6th semester ECE students between 11.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Expert:** Mr. Vivek Anand Sagar, IP Attorney and Consultant, KSCST, IISc Campus, Bengaluru



10. Organized 5-Day FDP entitled “**IP INCUBATION & STARTUPS**” from 03rd to 8th August 2023 for faculties between 10.30AM to 03.30PM at KSIT Seminar Hall, Ground floor.



## Events attended by Faculty

- **Dr. Nirmala L of K. S. Institute of Technology, Bengaluru** has participated in in Five Days Faculty Development Program on “**The Challenges and Opportunities for Women in Science, Technology, Engineering & Mathematics (Stem)**” from 17th to 21th October 2022 conducted by KS School of Engineering and Management.
- **Mrs Tejaswini M Lof K. S. Institute of Technology, Bengaluru** has participated in Five Days Faculty Development Program on “**The Challenges and Opportunities for Women in Science, Technology, Engineering & Mathematics (Stem)**” from 17th to 21th October 2022 conducted by KS School of Engineering and Management.
- **Mr Rajesh G Lhas** participated in Five Days Faculty Development Program on “**Data Visualization and Standardized Programming Language for Mechanical Engineers**” from 4<sup>th</sup> to 8<sup>th</sup> July 2022 conducted by KS School of Engineering and Management.

- **Mr Nagabhushan M** has attended a 4 Days FDP on **“Python Programming and its Applications”** organized by the Department of Electronics and Communication Engineering, KSIT from 27<sup>th</sup> March to 1<sup>st</sup> April 2023
- **Mr Prasad K** has attended a 4 Days FDP on **“Python Programming and its Applications”** organized by the Department of Electronics and Communication Engineering, KSIT from 27<sup>th</sup> March to 1<sup>st</sup> April 2023
- **Dr Nirmala L** has attended a 5 Days Offline Workshop on **“Human Values Education: Why? and Have?”** organized by the Department of Managements Studies and Research centre, Bangalore from 15<sup>th</sup> to 19<sup>th</sup> May 2023
- **Dr Nirmala L** has attended a online 3-Day FDP on **“Research Grants, Publications and Consultancy skills for Academicians”** organized Department of Electronics & Telecommunication Engineering and Skill Development centre, BIT from 6<sup>th</sup> to 8<sup>th</sup> March 2023
- **Mrs Tejaswini M L** attended a Two Days Online FDP on **“New Generation Construction Materials & Technologies”**, organized by the Department of Civil Engineering, Sir MVIT, Bengaluru from 5<sup>th</sup> Jan 2023 to 6<sup>th</sup> 2023.
- **Mr Rajesh G L** has participated IP Awareness/Training program under National Intellectual property awareness mission on from 4<sup>th</sup> to 8<sup>th</sup> July 2022 conducted by KS School of Engineering and Management.
- **Mr Rajesh G L** has attended One Week Online National Level Faculty Development Program on **"Innovation, Research and IPR - Journey Towards Excellence"** held from 1<sup>st</sup> March 2023 – 5<sup>th</sup> March 2023 organized by BVB's Sardar Patel College of Engineering, Mumbai & HSM's Shri. Sant Gadge Baba College of Engineering & Technology, Bhusawal in collaboration with SAE India Western Section, Institution's Innovation Council, Indian Institution of Industrial Engineering and Federation of Education Leaders and Administrators under IQAC of SPCE, Mumbai and SSGBCOE&T, Bhusawal.
- **Mr Rajesh G L** has attended One Week Faculty Development Program (FDP) on **“Data Visualization and Standardized Programming Language for Mechanical Engineers”** from 04<sup>th</sup> to 08<sup>th</sup> of July 2022, organized by Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore-64, Karnataka, INDIA.
- **Mr Rajesh G L** has attended workshop on **“Data science and AI in Manufacturing”** on 17<sup>th</sup> April 2023 organized by Aegis, School of Data science and Cyber Security, Navi Mumbai.



- **Mr Rajesh G L** has attended **Technical Institution Meet 2023** organized by GTTC, Rajajinagar in association with Siemens Technologies and Design Tech held on 22nd August 2023 at 9.30AM.
- **Mr Manjunatha B R** has attended One Week online AICTE – VTU joint Teacher Training Programme on “**Introduction to Python Programming and its Applications**” from 13<sup>th</sup> to 17<sup>th</sup> March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) - 562101
- **Mr Ranganath N** has attended One Week online AICTE – VTU joint Teacher Training Programme on “**Introduction to Python Programming and its Applications**” from 13<sup>th</sup> to 17<sup>th</sup> March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) – 562101
- **Mr Anil Kumar A** has attended One Week online AICTE – VTU joint Teacher Training Programme on “**Introduction to Python Programming and its Applications**” from 13<sup>th</sup> to 17<sup>th</sup> March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Chikkabalapur (Dist) – 562101
- **Mr Harish U** has attended One Week online AICTE – VTU joint Teacher Training Programme on “**Introduction to Python Programming and its Applications**” from 13<sup>th</sup> to 17<sup>th</sup> March 2023 organized by VTU, Center for PG Studies, VIAT, Muddenahalli, Issue 2, Pp 161-167, 13<sup>th</sup> Nov 2022.
- **Prof Dr. Saleem Khan**, “**Influence of Hot Extrusion Process on Tensile Properties and Microstructures of Aluminium 6061 Hybrid Composite**”, SAE Technical Paper 2023-01-0986, 2023, <https://doi.org/10.4271/2023-01-0986>, ISSN - 0148-7191, e-ISSN: 2688-3627, 7th Mar 2023 Chikkabalapur (Dist) - 562101

## **Publications by students**

- Ujwal N, Shrinidhi D, Swasthik DK, Uday Kiran P, “**Design and Fabrication of Air Brake System Using IC Engine Exhaust Gas**”, International Journal of Science and Research Archive, Vol 7, Issue 2, Pp 161-167, 13th Nov 2022.

## Achievements by Faculty

- **Dr. NAGAPRASAD K.S**, attended the 2nd Leg of SAEINDIA Bengaluru Section Silver Jubilee event on October 11th 2022 at Hilton Bengaluru Embassy Manyata Business Park. He was felicitated for being 'Valuable contributor' in building SAEINDIA for 25 years.



## Recognition

- **Dr. Nagaprasad K S**, was invited by Karnataka Examination Authority, Government of Karnataka on 19<sup>th</sup> September, 2022 for an official work.
- **Dr Girish T R** has been provisionally selected for admission to **M.Tech. Artificial Intelligence & Machine Learning** programme offered by BITS Pilani WILP
- **Mr Ranganath N** has been provisionally selected for admission to **M.Tech. Artificial Intelligence & Machine Learning** programme offered by BITS Pilani WILP
- **Dr Nagaprasad K S** has been appointed as Domain Expert in Research Advisory Committee for research scholar working on "Simulation of combined haling and cooling system at DCSE, Bangalore
- **Dr Nagaprasad K S** has been appointed as Research supervisor in VTU, Belgaum

## Achievements by students

- Students of KSIT participated in Mega ATV Championship held at Goa on 15-05-2022 and WON 'THREE' Prizes/Trophies: 1. OVERALL CHAMPIONSHIP: 2nd place All India ranking 2. Flat dirt race: 2nd place. 3. Night endurance race: 2nd runnerup.



- The team redline racing consisting of 22 students participated in preliminary round of **BAJA SAEINDIA 2023** on 16<sup>th</sup> and 17<sup>th</sup> September 2022 online and cleared all the technical rounds. This is the proud moment for the team as evaluators appreciated the design and cost analysis of ATV.
- Attended 4 weeks NPTEL cerification program on the course titled “ Introduction to experiments in flight” by Mr. Haryank V Kashyap, during January-February 2023.
- Attended 12 weeks NPTEL cerification program on the course titled “ Advance Robotics” by Mr. Haryank V Kashyap, during January-February 2023.



- Project entitled “**Design and Fabrication of Smart irrigation system using IOT**” by Mr Jashwanth S, Mr Shreyas B, Mr Sujay Adithya, Mr Thejas V R under the guidance of **Dr GIRISH T R**, Associate Professor, Department of Mechanical Engineering, KSIT has been

has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11<sup>th</sup>-12<sup>th</sup> August 2023

- Project entitled “**Design and Construction of an Integrated Domestic organic waste composting device**” by Mr Sanjay V, Mr Arun Kumar M, Mr Venkataramana G Bhat, Ms Charitha S under the guidance of **Mr Ranganath N**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11<sup>th</sup>-12<sup>th</sup> August 2023
- Project entitled “**Design and Fabrication of Solar Dryer for Onion**” by Mr Jithan A, Mr Hemanth K, Mr Madhu V, Mr Nithesh S R under the guidance of **Dr GIRISH T R**, Associate Professor, Department of Mechanical Engineering, KSIT has been has selected for state level exhibition held at Alva's Institute of Engineering and Technology, Moodubidire on 11<sup>th</sup>-12<sup>th</sup> August 2023

## **Funded Projects**

- Project entitled “**DESIGN AND FABRICATION OF LOW-COST MECHANICAL VENTILATOR**” by Mr Mohan R Krishna, Harsha P, Anirudh R and Mallikarjun Basawaraj Holde under the guidance of **Dr. Nirmala L** Associate Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.
- Project entitled “**EXPERIMENTAL AND NUMERICAL INVESTIGATION ON ACOUSTIC BEHAVIOUR OF CYLINDRICAL SHELL STRUCTURES**” by Mr Rakshith A, Sanjay Rao G, Srinivas R and D Manish under the guidance of **Mr. Anil Kumar**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.

## **Club activities**

- Mega ATV Championship (Our students of KSGI (KSIT and KSSEM) participated in **Mega ATV Championship** on **15 May 2022**



## **100% result in VTU University Examination**

- |   |                    |         |   |
|---|--------------------|---------|---|
| 1 | Dr. Umashankar M   | 18ME71  | Control Engineering                     |
| 2 | Mr. Nagabhushana M | 18ME72  | Computer Aided Design and Manufacturing |
| 3 | Mr. Manjunath BR   | 18ME741 | Additive Manufacturing                  |

## **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

### **Events conducted by the Department:**

1. The student club of AIML, Aeffenity organized a one day workshop on “Introduction to Data Mining”, by Srinivas Katharguppe, Adjunct Professor on 25<sup>th</sup> of July 2022.



2. The department of AIML in association with AICTE-SPICES, ISTE, organized a technical talk on " Innovate – How to Innovate”, by Dr. Immanuel Selvaraj I. Founder Director at i-EL Technologies on 3<sup>rd</sup> November 2022.



3. The department of AIML in association with ISTE organized a technical talk on "UX/UI Design”, by Mr. Pravin Ghodke, UX Designer, Philips Health Care sector, Ms. Supritha, UX Designer, Philips and Ms. Garima, Product Designer, Philips on 25<sup>th</sup> November, 2022.



4.The department of AIML in association with Rubixe, AI Company, Bangalore, organized a workshop on "Hands on Machine Learning with Python", by Ms. Kalpana Kadri, Senior Data Scientist, Rubixe, AI, Bangalore on 16<sup>th</sup> December 2022.



5.The student club of AIML, Aeffenity, organized its first mega event “FESTAHOLIC- A STUDENT CLUB EVENT” a culmination of festivities which consisted of carnival stalls by students, technical competitions, game stalls, external sponsors and various other events on 28<sup>th</sup> of December 2022.



6.The department of AIML in association with IIC organised a technical talk on "AI and Industry Use cases solved by HPE” by Mr. Narsimha Nikhil Raj Padal, Expert Engineer, HPE Mr.Yogesh Kumar Choubey, Senior Specialist Engineer, HPE on 13<sup>th</sup> of Jan 2023.



7. The department of AIML in association with ISTE, organized a workshop on Building Computer Vision AI Model by Mr. Varun Poladiya, Head of Marketing at Navan<sup>®</sup>, Bangalore on 08-02-2023.



8. The department of AIML in association with ISTE, organized a workshop on “REINFORCEMENT LEARNING WITH REAL-WORLD SCENARIOS” by Dr. Pavithra M.S. Advisor- Vlinkin Professionals LLP, Mysore Ms. Kiran DJr. Consultant ACS Technology, Bengaluru on 09-6-2023.



### **Events Attended by Faculty:**

- **Ms. Anu Mathews**, Assistant Professor attended 5 days FDP on “Advanced Tools and Techniques for best research” from 26<sup>th</sup> to 30<sup>th</sup> September 2022, organized by the Dept. of Information Science and Engineering, RV Institute of Technology and Management, Bangalore.
- **Ms. Sahana Sharma. M**, Assistant Professor completed NPTEL course on Embedded System Design using ARM, from July to October 2022 organized by NPTEL( IIT Kharagpur) & AICTE jointly associated Faculty Development Program.
- **Ms. Sahana Sharma M**, Assistant Professor attended 5 days FDP on “Advanced Tools and Techniques for best research” from 26<sup>th</sup> to 30<sup>th</sup> September 2022, organized by the Dept. of Information Science and Engineering, RV Institute of Technology and Management, Bangalore.
- **Dr. Amulyashree S**, Assistant Professor attended one day FDP on “Helping Students Develop



their code writing skills with Parson's problems" on 18-06-2022 organized by the Dept. of Computer Science and Engineering, BNM Institute of Technology, Bangalore.

- **Dr. Amulyashree S**, Assistant Professor attended 5days FDP on "Advanced Tools and Techniques for best research" from 26<sup>th</sup> to 30<sup>th</sup> September 2022, organized by the Dept. of Information Science and Engineering, RV Institute of Technology and Management, Bangalore.
- **Dr. Amulyashree S**, Assistant Professor completed NPTEL course on Applied Accelerated Artificial Intelligence, from July to September 2022 organized by NPTEL (IIT Madras) & AICTE jointly associated Faculty Development Program.
- **Ms. Lakshmi K K**, Assistant Professor attended 5days FDP on "R Programming and its Applications" from 27-03-2023 to 1-04-2023 organized by Dept. of Computer Science and Engineering, KSIT, Bangalore.
- **Roopa K Murthy**, Assistant Professor attended 5days FDP on "R Programming and its Applications" from 27-03-2023 to 1-04-2023 organized by Dept. of Computer Science and Engineering, KSIT, Bangalore.
- **Ms. Roopa K Murthy**, Assistant Professor attended 5days FDP on "Human Values Education: Why? and How?" from 15th May to 19th May, 2023 organized by Department of Management Studies and Research Centre, KS School of Engineering and Management, Bangalore.

### **Publications in International Journals:**

- Ms. Anu Mathews, "Text Based and Image Based Recommender Systems: Fundamental Concepts, Comprehensive Review and Future Directions" International Journal of Engineering Trends and Technology, vol.70, no.10, pp.124-143, 2022. Crossref, <https://doi.org/10.14445/22315381/IJETT-V70I10P214>, ISSN:2349-0918 (Scopus Indexed-Q4).
- Ms. Anu Mathews, "Analysis of Content Based Image Retrieval using Deep Feature Extraction and Similarity Matching", International Journal of Advanced Computer Science and Applications (IJACSA), 13(12), 2022. ISSN: 2158-107X <http://dx.doi.org/10.14569/IJACSA.2022.0131277> (Scopus Indexed-Q3 and Web of Science(ESCI)).  
<https://www.scopus.com/sourceid/21100867241> <https://mjl.clarivate.com/journal-profile>.

## **International Conference Publications:**

- Dr. Vaneeta M, “Malware Detection on Android Apps using RSLBO based Dense Network in Internet of Things”, Neuro Quantology, November 2022, Volume20,Issue 15, PAGE 7444-7455, DOI: 10.48047/NQ.2022.20.15.NQ88744.

## **Achievements by Faculty:**

- Dr. Vaneeta M, Professor and Head, was the Journal Reviewer for 4th IEEE International Conference on Cognitive Computing and Information Processing CCIP 2022, 23rd & 24th Dec 2022 at JSS Academy of Technical Education.
- Dr. Vaneeta M, Professor and Head, was recognised as Session chair for National Conference on Digital Technology and Engineering(NCDTE-2023) on 28th April 2023.

## **Achievements by Students:**

- Mr. Dhanush P, participated in National Service Scheme Organized Special Camp Antharakhana 2022 held at AmmallidoddiVirupashipuraHoballi, Channapatna Taluk Karnataka 6th July 2022 to 12th July 2022.
- Mr. Dhanush P, won Second Prize in 15th Senior National Dodgeball Championship 2022-2023 organized by Haryana Dodgeball on 28th Dec to 30th Dec 2022.
- Mr. Gurudeep R, participated in nation building activity through the festival of democracy-your voice your choice campaign organised by Mr. Ajay Gowda in association with LEAD & NSS.
- Mr. Gurudeep R, participated in VTU inter-collegiate Bengaluru South Division Kabaddi Tournament for Men held at K S School of Engineering & Management, Bengaluru on 3rd & 4th November 2022.
- Mr. Gurudeep R, participated in State Level PRE RD Selection Camp 2022-23 held at SDM College of Ayurveda and Hospital Hassan from 17th to 20th October 2022.

## **100% Result with Subject:**

1. Dr. K.V.A. Balaji Management And Entrepreneurship For It Industry (18Cs51)

2. Dr. Vaneeta M Python Programming(18AI52)
3. Prof. Manoj Kumar K Automata Theory And  
Computability(18AI54)
4. Prof. Sahana Sharma M Principles Of Artificial  
Intelligence(18AI55)
5. Prof. Kiran Kumar Environmental Studies(18CIV59)
6. Prof. Anu Mathews Machine Learning(18AI61)
7. Dr. Amulyashree S Digital Image Processing  
(18AI62)
8. Prof. Abhilash Bhat Java Mobile Application (18AI63)
9. Prof. Rajesh R Supply Chain Management(18ME653)

## DEPARTMENT OF COMPUTER SCIENCE AND DESIGN ENGINEERING

### EVENTS ORGANIZED BY THE FACULTY

1. Guest lecture on " Peace & Wellbeing through meditation in Higher Education – A Holistic Approach was conducted on on 19th Oct 2022, under CSI, AICTE -SPICES banner. Resource person is Mr. Guru.



2. Technical Talk on Innovate- How to Innovate conducted on 04-11-2022 Under ISTE student chapter . Resource person is Mr. Immanuel, Founder Director at i-EL Technologies.



3. Industrial Visit- Bengaluru Tech Summit under Adroit club on 17-11-2022.



4. Technical Talk on UI/UX Design conducted on 25-11-22 under IEI student chapter. Resource person is Mr Pravin Ghodke, UX Designer, Philips.



5. Workshop on Cyber safety conducted on 17-1-23 under CySeck (CYBER SECURITY, KARNATAKA), ADROIT CLUB. Resource person is Mr. NITESH SINHA, FOUNDER & CEO, SACUMEN Mr. JEEVESHA, DIRECTOR OF HR & OPERATIONS, SACUMEN.



6. Workshop on BUILDING COMPUTER VISION AI MODEL on 8-02-2023 under ISTE, CSD Adroit Club ,Resource person is Mr. Varun Poladiya, Head Marketing, navan.ai , Bengaluru.



7. Industrial Visit to ISRO on 08-06-2023, under Adroit club.



## **Events Attended By Faculty**

1. Dr Deepa S R Attended faculty development program on “Developing and Deploying spring boot microservices on Kubernetes clusters.” From 22nd to 26th August 2022.
2. Surekha Byakod Attended 5 days faculty development program on “Introduction to python programming and its Applications” from 13 th to 17th March 2023.Organized by Visveswaraya Technological University VIAT,muddenahalli,Chikkaballapur.
3. Surekha Byakod Attended 5 days faculty development program on “Artificial Intelligence and Data science in Image Analysis” from 13th Feb to 17th Feb 2023.
4. Surekha Byakod has participated in 6 days faculty development program on “R Programming and Its Applications” from 27th march to 1st April 2023.
5. Sushma A has participated in 6 days faculty development program on “R Programming and Its Applications” from 27th march to 1st April 2023.
6. Mr Subhash Kumar has participated in 5 days faculty development program on “Entrepreneurship Development”from 12th to 16th December 2022.

## **Publications By Faculty:**

7. Dr Deepa S R, “Malware Detection on Android Apps using RSLBO based Dense Network in Internet of Things”, NeuroQuantology, November 2022, Volume 20, Issue 15, pp. 7444-7455, DOI: 10.48047/NQ.2022.20.15.NQ88744.
8. Dr Deepa S ,”Prediction of chronic kidney Disease using fine Tune Based SVM in the IoT,Neuroquantology,November 2022,Volume 20,Issue 15,PAGE 7444-7455,DOI:10.48047/NQ.2022.20.15.NQ88744.
9. Dr. Deepa .S.R,Contemporary Research Trends in Plant Leaf Disease Detection4th International Conference on Circuits, Control,Communication and Computing (I4C), Bangalore, India,2022, pp. 440-445. [ISSN: 2381-4128]Link:doi: 10.1109/I4C57141.2022.10057867  
<https://ieeexplore.ieee.org/document/10057867>
10. Dr. Deepa .S.R “Tamper Proof Air Quality Management System usingBlockchainInternational Journal of Advanced Computer Scienceand Applications (IJACSA), 2023, Vol. 14, No. 2, pp263-271Link:DOI : <http://dx.doi.org/10.14569/IJACSA.2023.0140232>  
Journal Link:<https://thesai.org/Publications/IJACSA>  
Paper Link:<https://thesai.org/Publications/ViewPaper?Volume=14&Issue=>

2&Code=IJACSA&SerialNo=32Journal Scopus link:

<https://www.scopus.com/sourceid/21100867241>.

11. Surekha Byakod “Lung cancer CT image classification using hybrid-SVM transfer learning approach” *Soft Computing*,/Published:May-26 2023,<https://doi.org/10.1007/s00500-023-08498-x>*Soft Computing* , 2023, 27(14), pp. 9845–9859<https://www.scopus.com/authid/detail.uri?authorId=55925539100>

### **Achievements by Faculty**

1. Surekha Byakod filed patent on “Automatic Recommendation system to overcome Depression in Dysfunctional Behaviour Using Machine Learning Techniques” date of application on 20-02-2023,in the field of invention field, Application ID:202341011358.

### **Achievements By Students**

1. Pavithra G has won First Prize in Tug of war in university level on 10/7/2022.
2. Dhanush has secured 2<sup>nd</sup> Prize in Thindipota in university level on 10/7/2022.
3. Dhanush has won First prize in Marvel Quiz in university level on 15/7/2022.
4. Kushal has won 2<sup>nd</sup> prize in Fashion show in SJBIT university on 21/6/2023.

## **DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES**

### **Events conducted by the Department:**

1. The Department of Applied Science Humanities organized Constitution Day on 26-11- 22 for the students of KSIT. The students were informed about the importance and significance of Constitution day and was administered the preamble to the Constitution.. The program was presided by the Principal CEO and other Heads of the Department of the college.
2. Induction program for the newly admitted students for the batch of 2022-23 was held in the College campus between 1-12-2022 to 9-12-2022 .This was done in accordance to the guidelines of the VTU . Programs on Universal Human Values, Importance of Yoga, Importance of Physical Activities Introduction to various branches Personality development program was done for the benefirt of the Students.



3. A personality development Program for the 1<sup>st</sup> sem Students batch of 22-23 was conducted by the Training and Placement Cell of KSIT on 23-01-2023 to 27-01-2023.



4. A Seminar on Road Safety and Awareness program was organized by KSIT on 17-01-2023. The Circle Inspector of .... Mr Venkatesh who was the key speaker addressed the students about the importance of wearing helmets following the traffic rules and abiding by the rules of the land.
5. The department of Applied Science and Humanities in association with Anti Sexual



harassment committee organized a talk on “How to overcome Challenges on Harassment” by Mrs. Lakshmi AN Rao

6. The Joy of Designing a C Program" was organized by KSIT-Department of Applied science and Humanities delivered by Dr. A M PADMA REDDY, Professor at Sai Vidya Institute of Technology, Bengaluru on 20-2-2023 . The students benefitted by the talk and applied the same for their syllabus
7. The Department of ASH (Chemistry)organized a talk on "Avenues in Materials Research for Engineering Applications" delivered by Dr. Kalyan Raj of BMSCE on 20-3-2023.. The objective of the talk was to provide basic understanding about engineering chemistry. To provide knowledge on to avoid corrosion of machineries in industries and To provide knowledge on alternate green fuels to meet present challenges

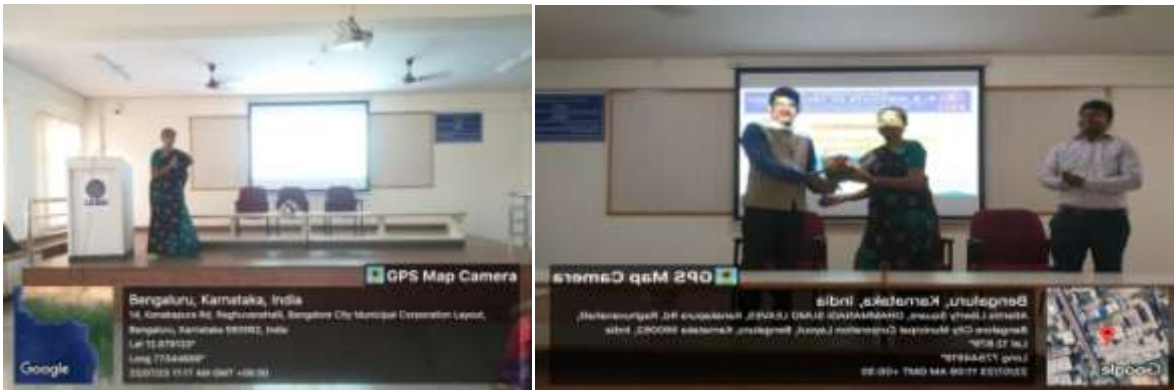


8. A Science Fest was organized by the Department of AS&H “Latest innovation and advances in science, technology and its importance” on 17-3-2023. The students exhibited their talents by creating working mini project, Poster presentation, photography ,pick & speak and debate.



9. Talk on “Unlocking Innovations for Transforming the Technology of Tomorrow” by the Department of ASH(Chemistry ) on 22-7-2023. The Speaker Dr Malini of BMSCE

described about various Innovative ideas for environmental monitoring by using ideas of Artificial Intelligence, IOT and coding system, engineering applications of sensors, Mile stones of Engineering achievements in the world.



## **EVENTS ATTENDED BY FACULTY**

1. Mrs. Shylaja K.R attended five days online FDP on “Advanced Functional Materials for science & Engineering -2023(AFMSC)” at Don Bosco Institute of Technology, Bangalore from 15 th -19thMay 2023.
2. Mrs. Shylaja K.R Participated and Presented a paper in the International conference on “Advances In Materials ,Ceramics and Engineering sciences(AMCES-2023) at DSCE , Bangalore from 13 th -15thMarch 2023.
3. Mrs. Shylaja K.R Presented and Published a paper in the International conference on “Advanced Materials for Engineering and Management Applications”(AMEMA-2023) at Bangalore Institute of Technology , Bangalore from 18 th -20thMay 2023.
4. Dr Madhavi S attended a five days offline workshop on Human Values Education why and How at Kammavari Sangham School of Engineering and Management Bangalore from 16th May to 19th May -2023
5. Dr Madhavi S attended a FDP on Research Methodology and Publication Ethics organized by the Department of Mathematics, Physics and Chemistry at the BMS College of Engineering held on 18-th April 2023.
6. Dr Shobha G participated as a fdelegate in a five day e-faculty development program on pharmaceutical innovations and protection strategies jointly organized by the Seven Hills College of Pharmacy (Autonomous) Tirupati and CSIR Institute of Minerals and Material Technology, Bhubaneshwar India bet 18th to 22nd May 2023.
7. Mrs. Mamatha N attended five days online FDP on “Recent advances in Applied

Mathematics organized by department of Mathematics Sri Manakula Vinayagar Engineering College Podaputi Puducherry from 4 th -8thSeptember 2023

8. Dr.JALAJA P attended a one day national level (online) seminar on “Digital Transformations under NEP 2020” conducted by IQAC, BMSCE in association with National Assessment & Accreditation Council (NAAC) on 15th July 2022.
9. Dr.JALAJA P attended a One Week Online Faculty Development Progamme on “Taking Research to Next Level” organized by Department of Mechanical Engineering & Department of Basic Science , in Association with IQAC, ISNT and IIC Cell, Sri Venkateshwara College of Engineering, Bengaluru from 26th to 30th September 2022.
10. Dr.JALAJA P attended a one week Faculty Development Program on ”Recent Trends in materials Science and Engineering(RTMSE-2022)” organized by the Department of Chemistry, Dayananda Sagar Academy of Technology & management, Bangalore from 12th September to 16th September 2022.
11. Dr.JALAJA P Participated in the Five day Faculty Development Programme on “THE CHALLENGES AND OPPORTUNITIES FOR WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)” conducted by K. S. School of Engineering and Management from 17th to 21st October 2022 in hybrid mode.
12. Dr JALAJA P participated in the Five day Faculty Development Programme on “THE CHALLENGES AND OPPORTUNITIES FOR WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)” conducted by K. S. School of Engineering and Management from 17th to 21st October 2022 in hybrid mode.
13. Dr.JALAJA P attended a Webinar “Academic writing” on 16th December 2022 organized by IEEE Student Branch and Department of Electronics and Communication Engineering, NMIT, Bengaluru.
14. Dr.JALAJA P Participated in a three day Webinar on “National Mathematics Day-2022” organized by Skill Development Centre in association with KSCST, DST,GOK, Bengaluru on 22nd to 24th December 2022

15. Dr.JALAJA P attended a the one week Faculty Development Program on "Taking Research to Next Level" organized by the Department of Mechanical Engineering and Department of Basic Science , Bengaluru from 26th September to 30th September 2022.
16. Dr.JALAJA P Participated in a two day Workshop titled on "Advance training on IPR" held on 23rd & 24th February 2023 at K.S Institute of Technology, Bengaluru.
17. Dr.JALAJA P Participated in a one day Workshop on " Research Methodology and Publication Ethics" organized by the Department of Physics, Chemistry and Mathematics, BMSCE , Bengaluru, held on 18th April 2023.
18. Dr.JALAJA P Participated in "NISVAARTH-2023 KSGI 5K MARATHON" "organized by the Department of ECE at K.S Institute of Technology, Bengaluru on 17th June2023.
19. Dr.JALAJA P Participated in the Five day Faculty Development Programme on "ADVANCED AND TECHNICAL COMPUTING WITH MATLAB" organized by the Department of Mathematics, School of Engineering ,Presidency University, Bengaluru from 25<sup>th</sup> to 29<sup>th</sup> July 2023.

## **Achievements by Faculty:**

### **PATENTS BY FACULTY**

- Dr Jalaja P awarded Patent bearing Number DE20202210361OUI, patent filed on 13<sup>th</sup>july 2022 for the paper titled IOT BASED SMART AGRICULTURESYSTEMBY USING ARTIFICIAL INTELLIGENCE

### **RECOGNITION**

- Dr. Renuka C received the **BEST TEACHER** Award in recognition of valuable contribution to the academic community and the students by the Institution of Scholars

## **100% RESULTS**

<b>Sl. No</b>	<b>SUBJECT</b>	<b>STAFF NAME</b>
1	Physics for CSE Stream	Dr Madhavi S
2	Communicative English(CSE, CSD,AIML,IOT,CCE&ME)	Anuradha MV
3	Indian Constitution	Anuradha MV
4	Scientific Foundation for Health(CSE,CSD& AIML)	Namya Priya
5	Chemistry for CSE/EES/ME	DrKiran Kumar
6	Chemistry for CSE/EES/ME	Dr. Harisha
7	CAED	Dr Umashankar
8	CAED	Dr NAgaprasad
9	CAED	Mr Prassad K
10	CAED	Manjunath BR
11	IDT	Mr Saleem Tevarmani
12	IDT(IOT, CCE)	Dr. Salim Khan
13	IDT	Mr Nagabhushan
14	Adalitha Kannada	Trimurthy

## DEPARTMENT OF PHYSICAL EDUCATION & SPORTS

### ACHIEVEMENTS

State level, VTU Inter collegiate Athletic meet held at VTU, Belagavi from 20<sup>th</sup> to 24<sup>th</sup> May 2023.



Participated in VTU , State level Athletic Meet held at VTU, Belagavi from 20<sup>th</sup> to 24<sup>th</sup> May 2023



Sl. No.	Tournament/Competition	Held at	Date	No. of Students	Inter National /National/State / University /Zonal	Achievement
01	VTU , State level Athletic Meet	VTU, Belagavi	20 <sup>th</sup> to 24 <sup>th</sup> May 2023	9	State level	Participated
02	Sports day of K S Group (KSIT, KSSEM, & KSSA)	UCPE,Jnanabh arathi Bengaluru	25 <sup>th</sup> March 2023	600	KS Group Athletic meet	Overall team championship secured ECE Department
03	VTU, Intercollegiate Bengaluru South Division Cricket tournament (M)	DBIT, Bengaluru	9 <sup>th</sup> March 2023	15	Inter-Collegiate	Participated
04	VTU, Inter Zone Cricket Selection (M)	SJCIT Chikballapur	13 <sup>th</sup> Jan 2023	1	State level	Participated
05	VTU, Intercollegiate State level Power lifting Competition (M & W)	VVCE Mysore	9 <sup>th</sup> & 10 <sup>th</sup> Jan 2023	1	State level	Participated
06	VTU, Intercollegiate Cricket Selection (M)	DBIT Bengaluru	6 <sup>th</sup> Jan 2023	2	VTU, Bengaluru South Zone Team Selection Trails	<b>TALLURU MAURYA , 7<sup>th</sup> CSE , 1KS19CS100 qualified for Inter Zone</b>
07	VTU, Intercollegiate Base Ball Selection (M & W)	DBIT, Bengaluru	5 <sup>th</sup> Jan 2023	2	VTU, Team Selection Trails	Participated
08	VTU, Intercollegiate Hand Ball Selection (W)	RVCE Bengaluru	4 <sup>th</sup> Jan 2023	1	VTU, Team Selection Trails	Participated
09	VTU, Intercollegiate State level Cross-Country Event (M & W)	Sairam College of Engineering Anekal	27 <sup>th</sup> & 28 <sup>th</sup> Jan 2023	1	State level	Participated
10	VTU, Intercollegiate Bengaluru Division Kho-Kho tournament (W)	GAT, Bengaluru	30 <sup>th</sup> & 31 <sup>st</sup> Dec 2022	12	Inter-Collegiate	Participated
11	Representation of VTU, Foot Ball, Girl's tournament	Annamalai University, Annamalai Nagar, Tamil Nadu	29 <sup>th</sup> Dec to 1 <sup>st</sup> Jan 2022	1	South zone Inter University	<b>VARSHA JAYAKUM AR, 3<sup>RD</sup> ECE, 1KS21EC11 1 Represented VTU</b>
12	3 <sup>rd</sup> open International Taekwondo Champion ship	Ryan International School, Yelahanka, Bengaluru.	28 <sup>th</sup> to 30 <sup>th</sup> Dec 2022	1	<b>Inter National Level</b>	<b>Tirumala Ganesh Baradwaj sharma , 1<sup>st</sup> Sem, ECE Secured Gold Medal</b>

13	15 <sup>th</sup> Senior National Dodgeball Champion ship	Shivaji Stadium, Panipat (Haryana)	28 <sup>th</sup> to 30 <sup>th</sup> Dec 2022	1	National Level	<b>Dhanush P , 5<sup>th</sup> Sem , (1KS20AI009) ,AI &amp; ML Secured 2<sup>nd</sup> Place</b>
14	VTU, Intercollegiate State level Kho-Kho Selection (M)	SIT Tumkur	28 <sup>th</sup> Dec 2022	2	State level	Participate d
15	Representation of VTU, Kabaddi, Girl's tournament	AMET, University, Kanathur, Chennai.	21 <sup>st</sup> to 24 <sup>th</sup> Dec 2022	1	South zone Inter University	<b>ABHILASHA. V, 3<sup>RD</sup> CSE, 1KS21CS003 Represented VTU</b>
16	VTU, Intercollegiate Volley Ball Selection (W)	PES Mandya	16 <sup>th</sup> & 17 <sup>th</sup> Dec 2022	1	Inter-Collegiate	Participate d
17	60 <sup>th</sup> National roller-skating Inline Hockey championship	Bangalore force one skating rink	11 <sup>th</sup> to 20 <sup>th</sup> Dec 2022	1	National level	<b>Pavithraa. G , 3<sup>rd</sup> Sem (1KS21CG030) , CSD Represented Karnataka</b>
18	VTU, Intercollegiate State level Yoga Competition (M & W)	BCE, Shravanabelogala	9 <sup>th</sup> & 10 <sup>th</sup> Dec 2022	3	State level	Participate d
19	VTU, Intercollegiate State level Chess tournament (W)	NMAMIT, Nitte	5 <sup>th</sup> & 6 <sup>th</sup> Dec 2022	04	State level	Participate d
20	VTU, Intercollegiate Bengaluru South Zone Foot Ball tournament (M)	RNSIT, Bengaluru	5 <sup>th</sup> & 6 <sup>th</sup> Dec 2022	16	Inter-Collegiate	Participate d
21	VTU, Intercollegiate Bengaluru Division Chess tournament (M & W)	Vemana IT, Bengaluru	1 <sup>st</sup> & 2 <sup>nd</sup> Dec 2022	08	Inter-Collegiate	<b>Girls' Team Secured 5<sup>th</sup> Rank &amp; Selected for State level</b>
22	VTU, Intercollegiate Bengaluru Division Kabaddi tournament (W)	APSCE, Bengaluru	30 <sup>th</sup> Nov & 1 <sup>st</sup> Dec 2022	12	Inter-Collegiate	Participate d
23	VTU, Intercollegiate Bengaluru South Zone Basket Ball tournament (M)	JSSATE, Bengaluru	28 <sup>th</sup> & 29 <sup>th</sup> Nov 2022	09	Inter-Collegiate	Participate d



24	National karate champion ship & VTU, Intercollegiate Karate Selection	Bangalore University, UCPE, B'lore & BMSCE, Bengaluru	20 <sup>th</sup> Nov 2022 & 24 <sup>th</sup> Nov 2022	01	All India National ISKA Karate Champion ship & VTU, Team Selection Trails	<b>Ashwin , 3<sup>rd</sup> sem ECE, Participated &amp; Secured 2<sup>nd</sup> place in National karate champion ship</b>
25	VTU, Intercollegiate Bengaluru South Zone <b>Volley Ball</b> tournament (M)	RVCE, Bengaluru	17 <sup>th</sup> & 18 <sup>th</sup> Nov 2022	12	Inter-Collegiate	Participate d
26	VTU, Intercollegiate State level <b>Table Tennis</b> tournament (W)	VVCE Mysore	6 <sup>th</sup> & 7 <sup>th</sup> Nov 2022	05	State level Inter-Zone	Participate d
27	VTU, Intercollegiate Bengaluru South Zone <b>Table Tennis</b> tournament (M &W)	DSATM, Bengaluru	4 <sup>th</sup> & 5 <sup>th</sup> Nov 2022	09	Inter-Collegiate	Boys' team reached up to semifinals, <b>Girls' team Secured 2<sup>nd</sup> Place</b>
28	VTU, Intercollegiate Bengaluru South Zone <b>Badminton tournament (M&amp;W)</b>	SJBIT, Bengaluru	4 <sup>th</sup> & 5 <sup>th</sup> Nov 2022	10	Inter-Collegiate	Participate d
29	VTU, Intercollegiate Bengaluru South Zone <b>Kabaddi</b> tournament (M)	KSSEM, Bengaluru	3 <sup>rd</sup> & 4 <sup>th</sup> Nov 2022	12	Inter-Collegiate	Participate d
30	VTU, Intercollegiate State level <b>Swimming</b> Competition (M&W)	BMSCE, Bengaluru	2 <sup>nd</sup> Nov 2022	2	Intercollegiate State level	Participate d
31	VTU, Intercollegiate State level <b>Weight lifting &amp; Best Physique Competition</b> (M&W)	GAT, Bengaluru	28 <sup>th</sup> & 29 <sup>th</sup> Oct 2022	2	Intercollegiate State level	Participate d
32	National Floor ball Federation Cup	Yuvashakti Model School, Sector - 3 <sup>rd</sup> , Rohini, Delhi - 110085	2 <sup>nd</sup> to 4 <sup>th</sup> Oct 2022	1	National level Floor ball Federation Cup	<b>Vaishnav H, 8<sup>th</sup> sem, Department of Mech, Secured 3<sup>rd</sup> Place</b>

## **CULTURAL DEPARTMENT**

### **ANANYA 2023- ANNUAL CULTURAL FEST**

#### **ABOUT ANANYA**

Ananya an annual cultural fest organized by the students of KS Institute of Technology in Bangalore, India. The fest provides a platform for students to showcase their talents in various fields such as dance, music, drama, sports, and technical events. It is a three-day event that attracts students intra college to show case their talents in their chosen fields.

This year observed Masquerade as a day 01, where men dressed up in their formal attires and female showed their elegance through their ball gowns. The event has an air of mistque surrounding it. The second day of the event celebrated Ethnic Day, which highlighted the cultural variety and unity through the vibrant and diverse ethnic backgrounds of the students.



Another remarkable performance was a mesmerizing jugalbandhi between classical and western styles of dance. It was a unique fusion that showcased the harmonious blend of two distinct dance forms. The dancers seamlessly transitioned between intricate classical movements and energetic western dance steps, creating a breathtaking spectacle.



This event highlighted the various talents from different departments. Mainly four teams participated, namely Avinya(CSE), Aghira(ECE), Marcos(Mech, CSD, CCE) and Imperium(TC, AIML, IOT). It was an exciting and vibrant part of college festivals that brought together students from various academic disciplines to showcase their talents and create a sense of unity and camaraderie. All of these branches showcased their exceptional dance skills and were judged fairly on that by **Mr. Kiran Kumar R**, who has excelled in the dance styles. He has accumulated dance experience of 7 years by working as a choreographer in dance studio rock U guys, as an assistant choreographer in 5star Ganesh dance troop as well as imparting his extensive knowledge of dance

as a teacher in various schools. Avinya's captivating dance moves were perfectly synchronised with the beat, captivating us all and getting us grooving along. Whereas Agira's moves true to their name were divine, the dancer's fluidity and control were awe-inspiring, as they effortlessly glided across the stage, captivating our hearts with their every step. Marcos displayed their agility and flexibility through their movements and lastly, Imperium moves were divine to their core.

## **ACHIEVEMENTS**

### **Fashion Show Team of KSIT**



1. We feel immense pleasure to say that our fashion team THE RUNNERS of JSS FASHION EVENT. The team performed in front of audience around 800 people. The crowd went baffled seeing the elegance in which the team members carried themselves.
2. The achieved the RUNNERS UP position at VEMANA INSTITUTE OF TECHNOLOGY and a huge response from the crowd. The team performed in front of audience around 900 people. There was a huge cheer of "Once More" from the crowd looking at our extravagant performance.
3. The hard work of every team member was illustrated with grace and elegance as we were awarded with the RUNNERS UP. The portraying of the fashion and the strut way of walk impressed the judges and the crowd which went on intoned "Once More".



4. We feel immense pleasure to say that our fashion team were THE RUNNERS of SJ.B INSTITUTE OF TECHNOLOGY FASHION EVENT. The team performed in front of an audience of around 1000 people. The crowd went baffle seeing the elegance in which the team members carried themselves. The crowd was swooned by our performance and cheered on "Once More as we finished our performance
5. The teamwork was illustrated with confidence and elegance as we secured the WINNERS. The portrayal of the theme and the strut way of walk impressed the crowd judges and the which was a stunner. The team performed in front of an audience which was around 1200 who cheered all the way until we were awarded.




6. Sanjana G, 3<sup>rd</sup> year student of ECE Department, has participated in “Yuvothsava 2023”, the 22<sup>nd</sup> VTU Youth Fest held at Nagarjuna College of Engineering & Technology from 29<sup>th</sup> March to 1<sup>st</sup> April 2023 and Secured First Place (Gold Medal) in the event of ‘On Spot Painting’.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ - ಬೆಳಗಾವಿ 590018  
VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
“Jnana Sangama” Belagavi - 590018, Karnataka, India.  
22nd VTU Youth Festival - Yuvothsava 2023

CERTIFICATE OF MERIT

Mr/Miss Sanjana G  
of KS Institute of Technology  
has participated in "Yuvothsava 2023" - 22<sup>nd</sup> VTU Youth Fest held at Nagarjuna College of Engineering & Technology  
from 29<sup>th</sup> March to 1<sup>st</sup> April 2023 and secured First / Second / Third place in  
On spot painting

  
Dr. P. Puttaswamy Gowda  
Director of Physical Education  
VTU, Belagavi

  
Mr. J. Manjunath  
Organising Secretary  
Yuvothsava

  
Dr. B. V. Ravishankar  
Chairman  
Yuvothsava

  
Dr. S. Vidyashankar  
Vice Chancellor  
VTU, Belagavi



**K.S. INSTITUTE OF TECHNOLOGY**  
**National Service Scheme**  
**ರಾಷ್ಟ್ರೀಯ ಸೇವಾ ಯೋಜನೆ**

# 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.



**NSS ACTIVITIES: 2022-23**

SI No.	Events	Date	No. of students participated
1	KOTIKANTAGAYANA	28-10-2022	80
2	KANNADA RAJYOTSAVA	01-11-2022	200
3	ROAD SAFETY AWARENESS PROGRAM	22-11-2022	40
4	CONSTITUTION DAY	26-11-2022	200
5	POSTER MAKING COMPETITION	01-12-2022	100
6	MEDITATION	02-12-2022	200
7	YOGA	05-12-2022	200
8	ORIENTATTION FROM NSS TEAM	05-12-2022	600
9	FUN ACTIVITY	09-12-2022	400
10	SEMINAR ON ROAD SAFETY	17-01-2023	200
11	YUVA SAMBHASHANE WITH COMMON MAN CM	18-01-2023	60
12	FREE VACCINATION DRIVE	25-01-2023	500

Sl No.	Events	Date	No. of students participated
13	REPUBLIC DAY	26-01-2023	150
14	PROMOTION OF MENTAL HEALTH WELL-BEING AND PSYCHO-SOCIAL COMPETENCIES IN THE COMMUNITY THROUGH NSS VOLUNTEERS	16-02-2023 & 17-02-2023	50

### Achievements:

Mr. Gurudee. R. has participated in STATE REPUBLIC DAY PARADE CAMP – 2023, SOUTH ZONE PRE REPUBLIC DAY PARADE CAMP-2022, conducted from 9th to 18th November, 2022 and has participated in State level Pre RD selection camp 2022-23 held at SDM College of Ayurveda and hospital Hassan from 17th to 20th October 2022.





# UNIVERSITY RESULTS - 2023

## VIII SEMESTER

BRANCH	No. of Students Appeared	PASS	FAIL	% Pass
1. ME	42	42	00	100
2. ECE	105	101	04	96.19
3. CSE	118	116	02	98.31
4. ETE	12	10	02	83.33
<b>TOTAL</b>	<b>277</b>	<b>269</b>	<b>08</b>	<b>97.11</b>

  
IQAC Coordinator

  
Principal  
PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.